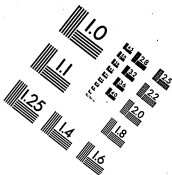
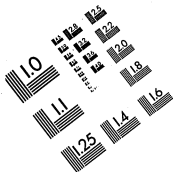




Association for
Information and Image
Management

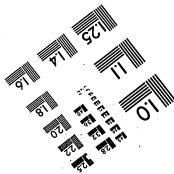
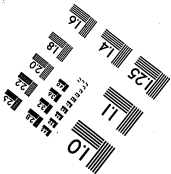
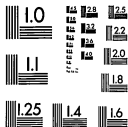
MS303-1980



Centimeter



Inches



Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

*PART II
(1879-1886)*

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1987

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Rutgers, The State University
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18 June 1981

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START

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THOMAS A. EDISON PAPERS
A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 53

DOCUMENT FILE SERIES (DOC-13)

D-80-001 through D-80-020
("Bergmann, S." through "Electric Light - General")

1880 DOCUMENT FILE

D-80-001 Bergmann, S.
D-80-002 Deafness
D-80-003 Drexel, Morgan & Company [not filmed]
D-80-004 Edison, T.A. - General
D-80-005 Edison, T.A. - Accounts [not filmed]
D-80-006 Edison, T.A. - Advice
D-80-007 Edison, T.A. - Articles
D-80-008 Edison, T.A. - Autograph and Photograph Requests [not filmed]
D-80-009 Edison, T.A. - Bills and Receipts [not filmed]
D-80-010 Edison, T.A. - Bills of Lading [not filmed]
D-80-011 Edison, T.A. - Book and Journal Orders
D-80-012 Edison, T.A. - Clubs and Societies
D-80-013 Edison, T.A. - Creditors [not filmed]
D-80-014 Edison, T.A. - Employment
D-80-015 Edison, T.A. - Family
D-80-016 Edison, T.A. - Insurance
D-80-017 Edison, T.A. - Payroll Receipts [not filmed]
D-80-018 Edison, T.A. - Unsolicited Inquiries [not filmed]
D-80-019 Edison, T.A. - Visitors [not filmed]
D-80-020 Electric Light - General
D-80-021 Electric Light - Edison Electric Lamp Company - General
D-80-022 Electric Light - Edison Electric Lamp Company - Accounts [not filmed]
D-80-023 Electric Light - Edison Electric Light Company
D-80-024 Electric Light - Edison Electric Light Company of Europe, Ltd.
D-80-025 [Number not used]
D-80-026 Electric Light - Foreign

D-80-027 Electric Pen
D-80-028 Exhibitions - Paris Electrical Exhibition
D-80-029 Menlo Park Laboratory - Incoming [not filmed]
D-80-030 Menlo Park Laboratory - Internal
D-80-031 Menlo Park Laboratory - Outgoing [not filmed]
D-80-032 Mining - General
D-80-033 Mining - Edison Ore Milling Company, Ltd.
D-80-034 Mining - Mines and Ores
D-80-035 Mining - Spring Valley Hydraulic Gold Company
D-80-036 Patents
D-80-037 [Number not used]
D-80-038 Phonograph
D-80-039 Railroad - Electric
D-80-040 Railroad - Port Huron Railway Company
D-80-041 Science
D-80-042 Telegraph
D-80-043 Telephone - General
D-80-044 Telephone - Carbon Button/Chalk Cylinder Orders [not filmed]
D-80-045 Telephone - Edison Telephone Company of Europe, Ltd. - Accounts
[not filmed]
D-80-046 Telephone - Foreign - General
D-80-047 Telephone - Foreign - Chile
D-80-048 Telephone - Foreign - Europe
D-80-049 Telephone - Foreign - United Kingdom

1880. Bergmann, S. (D-80-001)

This folder contains correspondence and other documents relating to the business of Sigmund Bergmann, a manufacturer of electrical equipment in New York City, who earlier had worked with Edison in Newark, New Jersey. In 1881 Bergmann formed a partnership with Edison and Edward H. Johnson under the name of Bergmann & Company.

Approximately 30 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding orders for, and shipments of, telephones; lists of telephones by serial number; receipts concerning telephone orders for Europe; bills.

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Kinetographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, April 1, 1880

My dear Edison :-

Am a little pinched for money just now. If you can let me have \$1000⁰⁰ by next Monday you will oblige me over - Please answer if you can do so

Yours truly
S. Bergmann

Can't do it

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Kryptograph, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, April 21, 1880

Wm. Lammont

Dear Sir:

Mr. Eldred's man came here and wanted to know if we had an order for 100 Telephones and 4 Switch Boards; at the same time he said they should be ready by Saturday as they were sending stuff by the same steamer.

I asked him what they were sending and he said Leclanche Batteries Watson Batteries &c., &c. If this can be stopped do as I especially can heat them on the Batteries.

See to it without delay and oblige

Yours truly
S. Bergmann
M.B.

S. BERGMANN,

No. 100 WOOSTER STREET,
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, May 6 1880

Prof. J. H. Edison

Menlo Park N.J.

My dear Sir:

Can I have a little money from you by Saturday as I fear I will be "stuck" to pay it?

Had a letter from Mr. Hubbard. He says the Telephones work well and that I will need \$500 in difference by Saturday. Now as I will finish the London contract in a few days, could it be arranged so I can go along with the phone for Mr. Hubbard? Then my men right at the work and would like to keep them at it. Please let me know about the end of college.

S. Bergmann

S. BERGMANN,

NO. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

Mr. Larnaudy

New York, May 26 1880

dear Sir:

Mr. Husband ordered the extra Bell himself - Mr. Eldred sent the order for 50 monthpieces and 50 Bells. The Bells I will send by next steamer and bill them to you.

Will you please let Mr. Edison know I am very hard pressed for money and he would oblige me very much by letting me have \$10000 by Saturday. Please show this to Mr. Edison as I am in a hole.

Yours truly
S. Bergmann

PS

I send you two bills. Please have them approved without delay and return, as I want to ship Saturday. Please send me 50 more Cables. The last lot were rotten.

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, May 27 1880
Prof. Carman
Esq.

I enclose Bill
I find sent Mr. Richards as
per order from Mr. Edward
Will you please return the bills
approved that I sent you a
few days ago as I want to
send them with goods on steamer.

I relied on having some
money from you today. What
is the matter that I cannot suffer
this way?

Will you please call Mr.
Kramer's attention to a bill due
Graham & Fry, New Haven; they are
after me for your debt.

Yours truly
S. Bergmann

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, June 5th, 1880

Prof. T. A. Edison

Dear Sir:—

My Creditors are after me for money and I am compelled to call on you to help me out.

If you could let me have \$1000⁰⁰ it would fit me nicely. Even \$500 would enable me to satisfy a few of the most noisy ones. I trust it will be in your power to come to my relief just now—Have you heard anything from Mr. Johnson about the 10000 he owes me with check with L was to order? I need work just now and would be glad to go at them

Yours truly
S. Bergmann
W.C.

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Kryptographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Jan 27 1887
Mr. Farman Esq.

571 7th Ave

I am writing for
Carbons. I need about 50.
I also need palladium for
185 jet. You know I sent
to S. America and 24
Extra Receivers. Please see
that I get both soon as possible

Yours truly
S. Bergmann

P.S.

See Mr. E. if he can't let me have
some money. I am in a fix
S.B.

W. Y. June 21/80
Prof. D. A. Edison

Dofii:

I can make
Universals with Pony Com & Se
cords all complete, in small orders
for \$12.50 each. By the 1000 I can
make them one dollar less.

I can turn them out at once.
I would just like an order for 1000
now as I am about through with
the London work.

I am, dear Sir,
Yours truly
S. Bergmann

(June 1880)

Bergman:

~~W. E. Mfg~~

~~WE Mfg Co are afraid to make~~
telegrams on foreign orders. I ~~would~~ have
a Cash Customer for 130 Universal
Sets with ~~any~~ ~~drawn~~ please give
lowest price delivered free on board.
payment Cash on delivery. May be
able get your order for 1000 sets

T. a S

S. BERGMANN,

108-114 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, July 7 1880

Mr. Carman Esq

Sir,

I have no parts for
motographs as the 100 I have ready
for England clears me out.
You know it would take time to get
the parts together besides costing much
more. I am sorry I haven't any.

What about the Prud'homme? No any
thing done?

Some day if I write for money
can't you see Mr. Collins and tell
him how I stand. If I could get
even \$500 - it would help me to meet
my next pay roll.

Yours truly
S. Bergmann

S. BERGMANN,

100-114 WOOSTER STREET,
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Aug 3, 1880
Chas. Batchelor Esq
Manufactur'g

Dear Sir:

I have two large
Photographs on hand, and I think
the pitch of screw is about the
same in each.

Awaiting your instructions
I am D

Yours truly
S. Bergmann

~~Send them here~~ but if they are not the
same pitch they will not do as they
must repeat. Can you not put the stop
on for the time so as to make the ~~the~~
~~one of the four~~ ~~depend~~ easy to put on the ~~four~~
again - When all right ship here and send
about 35 U. Good sal with them each

1
Mr
Edison

Aug 5. 1880
10am

How will Siemens
Polarized relay do for
Ball or magnets answer

Bergmann

1/2 paid
may

I suppose it will
why not make it
and try it

~~Edison~~
Dot

New York, Sept 9. 1880

#3267⁵⁸

On demand please pay to the
order of C. H. Johnson the sum of Five
Thousand Two Hundred & Sixty nine 00/100
Dollars and charge same to my account

Thos A Edison
rec'd by

Thos A
S. Bergmann

1. Mr. Mendel Nov 6/50
Bergmann

106 Wooster St.
New York

Come out Wright Edison
Edison

H.S.A.

(2) New York 6 (Nov. 4) '50

Edison Mendel Pack
will be out tomorrow
morning Bergmann
5 Paia Aug ²⁵ 6 PM
E

This company will not hold itself liable for errors or delays in transmission or delivery of telegraphic messages.
The message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the conditions stated above.
A. G. STEWART, Secy. NORVIN GILBERT, President.

No. NY 116 Dec 11 1880

Received at Prof Edison

Machine shipped today
will be out

Bergmann

6 P.m. $\frac{1}{2}$ 4:30 p.m.

READ THE NOTICE AT THE TOP.

1 NY 116 18(80)
Edison 2 P

My bank account
over drawn said few
hundred dollars

Bergmann
I paid $\frac{1}{2}$
Xc 9:23 am

Received from 7 A Edison Co. Missouri
on account Telephone Dept of
Europe on an Edison Telephone

S. Bergmann

1880. Deafness (D-80-002)

Following the appearance in early 1878 of articles about the phonograph, which drew attention to his own deafness, Edison began receiving inquiries about his proposed invention of a hearing aid. (See Thomas A. Edison Papers Microfilm Edition, Part 1, 15:3-166.) This folder contains correspondence inquiring about the current state of the invention.

Approximately 10 percent of the documents have been filmed. These items received significant replies or were written by individuals associated with Edison.

FRANK D. HATFIELD,
REPRESENTING
COLGATE & COMPANY,
PERFUMERS AND SOAP MANUFACTURERS,
NEW YORK.

ANSWER TO

DATED, *Paris, Fr. April 17th 1880*

*Go to a Drug store, you
can find all sizes*

W. Eason Esq

100, rue de la Harpe, Paris

Paris, Fr.

Your kind reply, to my enquiries
of your daily needs and you have my sincere thanks for your courtesy.

- Permit me to trouble you just

a little more. I can find no rubber nipple such as you suggest to try; it is
one closed at both ends and suitable to stick in the Ear. It is a com-
mon thing (in which I share) that the contents of your laboratory embrace Everything
I hope I shall not trespass too far on your time or good nature in asking if
you could not kindly mail me a nipple such as you believe would shut out
sound from the Ear, etc. I assume that you either either buy or had or or make one in
a moment's time and you may assume that I will gladly pay you for your trouble.

Of course, if such has occurred to you

As large as our Ears in the Ear a nipple would have to conform to peculiar shape of the
Ear operation and for a nipple to project out of all beyond should be superfluous
would preclude the fitting of our head comfortably upon a pillow; the Ear being so susceptible
to pressure internally.

- Respectfully yours - *F. D. Hatfield*

London Dec 9. 30
R. D. Howell means

75 Lombard St.
London
Dec 9th 1880
No answer
Thomas A. Edison Esq.
Dear Sir.

I wish to thank
you for many letters I
have received from persons
to whom you have recom-
-ended the Anodyne.

As I understand you are
slightly afflicted with
deafness, I have advised
Mr. Howe in Chicago to
to send you an Instrument
which I hope may be
of service to you. I should

It greatly obliged it ~~is~~ gratifying results.
you will write a letter
recommending the Andiphone
which you could allow
me to make public in
the Pamphlets now issuing
on the subject, I should
esteem it a favor if you
could also send a separate
letter to Mrs. Howe in
Chicago. I am now in
London for the purpose of
introducing the Andiphone
in this County, and as
far here will wish very

I remain dear Sir,

Yours very truly,
Richard D. Cook

P. S.

If there is any thing
in which I can be of
service to you during
my stay in this County
it will give me pleasure.

CABLE ADDRESS,
"AUDIPHONE,"
CHICAGO.

GENERAL OFFICE,
-OF-
RHODES' AUDIPHONE

Chicago, *Dec 24 1880*

Thomas A. Edison Esq.
Menlo Park N.J.
Dear Sir,

I do ship you this eve. by mail
an Audiphone with the compliments
of the inventor Ed. Rhodes, who is
at present in Europe. Mr. R. says he
has written to you from London.
and promises that the Audiphone would
be shipped to you in due time from
Chicago.

We trust the instrument will
reach you safely.

Wishing you the compliments
of the season we are.

Very Respectfully, your
obedient servant

Thos. A. McCreary

Write & thank him for the
same.

1880. Drexel, Morgan & Company (D-80-003) [not filmed]

This folder contains correspondence about routine financial transactions undertaken by Drexel, Morgan & Company for Edison or his companies. Material relating to Drexel, Morgan & Company's role as a financier of Edison's electric light and telephone ventures can be found in folders on those subjects.

1880. Edison, T.A. - General (D-80-004)

This folder contains documents, primarily correspondence, covering a wide variety of subjects. Some of the material relates to personal matters. Also included are documents that deal with more than one subject, such as a letter about both the electric light and the telephone. Documents concerning subjects that do not fall under the main subject categories are also filed in this folder.

Approximately 80 percent of the documents have been filmed. Duplicate copies of correspondence, third-party correspondence unrelated to Edison, and unanswered fan mail have not been filmed. Unsolicited requests for personal favors, for loans and exhibits of inventions, and for information about Edison have not been filmed except in cases where a significant answer has been found.

Chicago Electrical Society,

G. W. FELTON, President.

J. E. PETTIT, Secretary.

Chicago, January 1st 1889.

J. A. Edison

Dear Sir,

- At a meeting of the executive committee of The Chicago Electrical Society, I was requested to ask of you the favor of the loan or possession of one of your new, home-shoe, electric lamps. Our Society wish to be in the van in regard to advanced ideas in electric lighting, we deem it a great favor, and a big card for me should you regard our request favorably. Our next meeting will be the 15th inst. We sincerely desire to light our rooms with your lamp at that meeting and hereafter. If you have objections, please overcome them if possible, and rest assured that we will appreciate your kindness. The society is very anxious to possess the lamp. If you comply please forward by express to me CO. D. Very Respectfully yours,

J. E. Pettit
Secy.

Happy new years.

724 Fulton St.

#1, New York, 1/2/80

Edison,

I have to leave
New York tomorrow may I
and friends come tonight
instead of tomorrow night
Kindly reply to Wards
Office Dr. Muirhead

2/4 paid -

~~2/4~~

8.50 am

O.K.

He came

Newark Jan 3/80

J A Edison

Sir

is there any prospect
for me with the Company
Mr. Lowry told me when
you were ready he would
give me chance —

I am truly yr

J. J. Murray

Eimer & Amend
Jan 2, 1880

EIMER & AMEND,
Importers,

205, 207 & 209 THIRD AVENUE, COR. 18th St.

New York, January 2, 1880.
Dear Sir,

In account of your
favorable notice of the 1st inst. concerning
"Storik" we wrote to Europe
about it and told you
as result of our efforts,
all that was obtainable
an amount of 1200 Lams,
which quantity is at our
disposition at the rate of
one shilling - 4 1/2 pence for Lams.
This quantity will stay
at our disposition till
end of this month and ask
you for an early reply,
if you will take it as
we are hoping to be favored
with your kind order for same
for having your sincere thanks.

No minerals are free from
duty and we can import
it with our other goods,
the cost to lay said
\$100,000 down here, will amount
to mere a trifle. E. A.

No. 44.

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which have been explained to the sender of such messages.
Messages are payable against cash by repeating a message back to the sending station for correction, and the Company will not be held liable for errors or omissions in transmission or delivery of a message, or under other conditions stated herein.

A. H. BREWER, Sec'y.

HERVIN GREEN, President.

Date San Francisco Cal 7/6 1888

Received at Dia New York 7/7 80

to Thos D Edson
Menlo Park N.J.

READ THE NOTICE AT THE TOP.

You have received money from you how was it sent

Wells Fargo & Co

14 Collect

35.47.13

Half rate

Half

5.00 600
12.

Griffin

Network Smelting & Refining Works



EDWARD BALBACH & SON
PROPRIETORS

Account of Jan 7th 1880

Mr. Thomas Edison
Menlo Park N.J.
Dear Sir

In accordance with our promise we send you today by mail a small piece of Tellurium produced out of Tellurium gold ore from California and a little sample of Osmium-Iridium taken from California gold. Thanking you for the kindness and attention you showed us during our visit last week we remain

Yours respectfully,
Ed. Balbach & Son
J. E. Pfeiffer

EDISON'S ELECTRIC PEN PRESS.
T. CLELAND, Gen'l. Eastern Agent.

Patent Stationery Co.
Chicago & New York
Manufacturers

200 BROADWAY,

New York, July 7th 1880

Prof. A. Edison

Dear Sir:

I am having a continual
call for the duplicating ink and have
no means of filling orders, because I cannot
make nor buy the ink.

Could you either give me
the formula for making or start the manufacture
of it at the Park so we can supply the
demand?

Yours truly
T. Cleland.

Will you give
me the formula?
I would like
to have it.

6 Lombard Street E.C.

London, 2nd January 1880.

My Dear Edison

My hearty congratulations to your success with the Light.

The telegram I sent you re Howard Report you have not replied to I presume because of not wishing to authenticate that description possibly for other good reasons. On the whole I think of just as well you did not reply.

I hope you will be able to let Johnson bring back material enough to give a practical exhibition of it here.

I have said nothing about the object of Johnson's mission to America as when he left I was in Paris taking a short much needed rest. I have no doubt however the matter was well considered by the Board before taking so important a step as sending Johnson away from his work here. I know enough about the question to feel the gravity of the situation owing to the peculiarities of the English Patent law which have already been fully explained to you. If we succeed in getting our Disclaimers there can be no doubt but that we shall have the Bell Company at our mercy. If we fail

in getting it — well I don't like ~~to~~
what will be the consequences, John
will explain it. That your presence here
will contribute largely to the earlier
hearing by the Attorney General I think.
There can be no doubt and I think it is
to make this clear to you and all the
collateral bearings of the case that John
has been sent out. For other reasons I may
be well that you should come away for
a short time. The rest and the sea voyage
will do you good. You may be well of
a most flattering reception here: you cannot
fail to enjoy yourself. If you come I
shall be happy to have you accept the
hospitalities of my home while you are
here and shall endeavour in every way
to make your visit a pleasant one as
I feel sure that it would be.

Yours very truly,

Wm. M. D.

The Direct United States Cable Company, Limited

16 Broad Street

Personal
New York Jan 1880

Julius Edison

I congratulate
you on the right
I fully expected the
success - I have
just the following from
London.

Ask Edison to reply
to your cable message
of 3rd Commencing
Cable approval

Yours truly
G. G. Ward

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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Errors in the receipt accounts only for messages sent by the sender back to the sending station for correction, and the Company will not be held liable for errors or omissions in the receipt accounts of delivery to the receiver. The conditions named above.

A. N. BIRKBECK, Sec'y. *W. W.* WILLIAM ORTON, Pres't.

Dated *Newark N.J. 1/10* 1870

Received at *7.32 P.M.*
Thomas O'Brien

READ THE NOTICE AT THE TOP.

*Miss Jane can you
Monday to talk
about the batteries.
L Mayburn
10 paid
Boston*

No. 44.

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

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A. N. BIRKBECK, Sec'y. *1* NORVIN GREEN, Pres't.

Dated *San Francisco Cal. 1/10* 1870

Received at *S. L. Griffin*
Merulo Park N.J.

READ THE NOTICE AT THE TOP.

*No acknowledgment from Clerk
is anything wrong, answer
paid full rate
R & Edgers
11 paid
40¢ rate
E. G.*

T. A. EDISON.

2701

Menlo Park, N. J.

July 11 1880

Rockwell Kent
Care G. P. Duray M.

Please reply to following
just recd from Edgar
San Francisco

No acknowledgment
from Kent is anything
wrong answer paid

Grippe

18 paid

12th / 1880
G. P.

Thomas A. Edison Esq

Dear Sir:

Enclosed please find

Mr Ritchie's receipt for \$15 for engravings.

I also thankfully acknowledge receipt of

\$25 for 5 copies of the Telegraph in America.

Yours always,

W. J. Dow 1/10.

Wm. A. Rice

[ENCLOSURE]

A. H. RITCHIE,

109 Liberty Street, near Church.

New York, Jan'y 12 1880

Rec^d from ~~Mr Ritchie~~ from
James D. Rice Fifteen Dollars
for printing Indian proof
of Edison
A. H. Ritchie

Message No. _____

The Western Union Telegraph Company, Letter _____

From Cincinnati O Jan 16 1880

Sheet _____

Thomas A Edison Esq

Menlo-Park N.J

Friend Edison; I desire to go to Mexico and Central America, but having no business in view, see no immediate prospect of returning to these parts.

The idea struck me, however, that possibly you had not disposed of your right to the "Light" for these parts, and you, knowing my knowledge of the people, customs, and language of the "Hispan American" republics, might give me the opportunity I so much desire. Or, should the light be out of your hands entirely, could you forward this letter to such parties as would be most likely to have the matter in charge, together with such comment as you might choose to make in my behalf.

I congratulate you upon your recent success, the greatest of the age. We anxiously await the rising of the Menlo-Park Sun

Very truly
Your friend

Chas H Billings
W.U. Tel Office
Cincinnati O

HALL OF THE FRANKLIN INSTITUTE

16 S. Seventh Street,

Philadelphia

James H. Jones
June 15 1883

Mr. J. A. Edison

Dear Sir

The members of the Franklin Institute are all very much excited about your lamp and every day at least half a dozen ask me whether we are not to have it for our meeting on the 29th. Mr. Conforti of the U. S. Mint who saw it in operation, thought you might be induced to let us ^{have} for exhibition one of the cracked ones, and a Carbon filament. He proposes to describe it and I have had made for him some Carbon slides of the Generator the Working points etc. As he is very enthusiastic about it, and has studied the subject

in detail his remarks will
be very interesting.
As in your letter of last year
he was promised the Lamp
as soon as it should be
publicly exhibited at the Park,
I hope this request will be
granted. I pledge myself that
it will be only exhibited and
returned to you without delay
if you so direct.

Please send them one of the
waxless ones by Express and
mark stage

Yours very truly
Wm. C. Smith, Jr.
Secretary for the

at present

We are awfully short of
Lamps but if any ^{please}
except your friends ^{from}
~~we~~ ^{we} ~~can~~ ^{can} ~~there~~ ^{there} ~~they~~ ^{they} ~~might~~ ^{might} ~~be~~ ^{be} ~~of~~ ^{of} ~~any~~ ^{any} ~~use~~ ^{use}
it will ^{be} ~~of~~ ^{of} ~~great~~ ^{great} ~~value~~ ^{value}

Washington 1/15/1900

Prof. Edison Mead Park.

Only two of Frank
Thomson's meters working
send another three today
Tell E. H. Johnson to come
over here tonight without
fail on his way back
He can adjust Thomson's
O.K. answer on what
train he will come
W. H. Painter

203 pm
Russer

Phil Jones, 6.50
A. E. L. K. B. B. B. B.
and Jones

Answer Ouleton de la Norme
United States Phil. Soc. Phil. Soc. Phil. Soc.
Phil. Soc. Phil. Soc. Phil. Soc.
may be sent to the
M.D. Jones, 6.50
and Jones

My dear Sir,
I am the Sec-
tary of the Franklin Institute
has requested me to give
some account of my very
interesting visit to your
laboratory at the next
meeting on Wednesday eve.

I was very favorably
impressed with your lights,
believing that you have
accomplished what all
other investigators in the

same fields have failed
in doing. I confess
that I came to Meade
Park disposed to be,
if not skeptical, at least
very critical, knowing
by ~~personal~~ experience
the difficulties in the way
of a practical solution
of the problem of incan-
-cent illumination.

I should like very
much to be able to show
the members of the Institute
one of the paper horse shoes
before burning & one after

being carbonized, and
also one of the lamps.
An imperfect lamp
would answer the purpose
simply to show its construc-
-tion.

I have no doubt that
you are overwhelmed with
similar letters & requests
but it is the penalty of
greatness!, and if you
can conveniently oblige
me thus far I shall
be much indebted.

Yours truly,

W. B. Brewster

No. 1 / Philadelphia Jan. 16 - 1880

L. A. Edison }
Mills Park }

Repeat anything
for me here tonight
@ memo in morning

10 paid
Arr 4 am
10.02 pm

Johnson-

Can you arrange
to take to Prof
Barber + I tomorrow
& see how
not or I will
Rob

Phila 17

From Ro. Phila

Edison

Can you send
out for Prof
Barkley & I am
in for tomorrow
afternoon about
two o'clock

Answer Robinson
Rosen

Phila 17-

Mr Edison MA

Will you be kind
enough to go on to
700 & tomorrow afternoon
about two (2) o'clock
I want to speak
to you H.C. Robinson

--) Rosen

will be on hand at two
o'clock but will not have
much time to speak

T. A. EDISON,

Jan. 17th

Menlo Park, N. J., 1880.

H.C. Robinson
Will be on hand at two
o'clock but will not have
much time to speak

T Edison

Aug 2
Spencer

Was mixed in Swarth
Cause = you + I saw some of
evening lecture ^{University of} ~~University of~~
University of Pennsylvania
Philadelphia Jan. 18. 1870

My dear Edison:-

I have waited all
this afternoon in the hope
of getting you on my wire
as Mr. Robinson told me
this morning you said
you would be on the look
out for me about 2 o'clock
I was quite disappointed
that you did not appear,
because I wanted to ask
you two questions the answers
to which I wanted tonight.
In the first place, Mr.
Frank Thomson, Gen. Mgr.

Pennsylvania R. R. ^{has} ~~has~~
invited a few of ^{us} ~~us~~ to get ^{over} ~~over~~
over to Menlo Park ⁱⁿ ~~in~~
private car some day this
week, and I wanted to
know whether it would
be convenient for you to
have us come and whether
there is any choice of
days. If there is to be
anything special on any
particular day, that is
the day we want to come.
The party will be composed
of some of our very best
people and I would like
to have them see things
at their best. Of the num-

ber will be the distinguished physiologist, Dr. West Mitchell. The other day, I described to him your curious observation upon the effect produced by rapid mechanical vibrations, and its analogy to that produced by a intermittent induced current. He was very much interested in the fact, especially with reference to nervous sensibility. He has spoken to me about it several times and has now asked me if I would ask you, if not too much trouble, if you could rig up some sort of a rude contrivance just to show him

these effects, so that he can have a complete apparatus made for experiment.

I wanted also to try the autograph receiver from here to Menlo this afternoon. Mine is now in excellent condition and I wanted to compare your transmitters there with those Mr. Chute talked to me on from Harrisburg the other day.

Dr. Senter wanted me to ask if you could spare him some of your North Carolina monazite and also specimens for his cabinet of such platinum sands as you had plenty of, with the locality?

Very respectfully,
George F. Barker.

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A. B. BREWER, Sec'y.

WILLIAM OSTON, Pres't.

Dated

Received at

In

READ THE NOTICE AT THE TOP.

New York 7/19 1880
Edison

*If my cables repeat
 to Bergmann
 Ed Johnson
 @paid
 H.H.f*

D. U. S. Cable Coy

19.1.80



*Broad Street
 New York*

My dear Sir,

I am here again on my way home from Tokyo, a second time. I should like to call on you before leaving but fear to do so without permission because I see by the papers that you are harassed with visitors and I have not the slightest wish to intrude myself.

*Hoping you & yours are quite well, I remain,
 dear Sir,*

*Come down see me
 Yours sincerely,
 Alex. Muirhead*

W. E. Dodge, Jr. Pres't



H. J. Davis, Gen'l. Manager

INCORPORATED
ANSONIA, CONN.
BROOKLYN, N.Y.

11 TO 21 CLIFF STREET

New York January 19, 1880

J. H. Wilson Esq.

Dear Sir

I have been informed that there is a party the name of Oceanus residing at Plymouth Street Brooklyn, who has got a process of making glass tough, so that you can hit it with hard substance and it will not break. If the above would be any benefit to you, I will look into the matter and give you all particulars -

I will have some of that straight Scotch Tube in a few days. -

Did it ever occur to you to use a Rubber Roller for the Phonograph - they can be blown -

Yours very truly
H. J. Davis

Rubber Roller a new idea
will try it - pls find out
what you can about the
new glass

Chicago Electrical Society,

G. W. FELTON, President.

J. E. PETTIT, Secretary.

Chicago, January 20th 1889.

T. A. Edison

Dear Sir,

Your favor of the 5th inst recd - In which you state we would be obliged to procure the permission of a company you had sold out your interest in the E. S. to, before we could procure a lamp -

Will you be kind enough to aid us in procuring this permission.

We are very desirous of placing your light in our rooms at our February meeting. If a light cannot be purchased, we ask the loan of one. Will you kindly use your influence in our favor, or please give us the address of the party or parties we are to apply to.

Very Respectfully

Yours to
J. E. Pettit
Secy

The American Shoe Tip Co.

147 SUMMER STREET,

Wm. CLAPLIN, Pres.
H. S. CHASE, Vice Pres.
& Wm. WAGGONER, Treas.

Boston, Jan 23 1870

F. A. Edison

Dear Sir

I will sell
you the lots you enquire
about at \$250. per lot

Yours Truly
Geo. Woodman

Goodman

Jan 23

Geo Goodyear

Jan 23 1880

Photo not acc on file
in Mr. [unclear] file
by [unclear]

Jan 23rd 1880
Friend Edison, ^{6th} ^{Photob.} ^{News}

I presume you have seen
the enclosed - but I lend it
to make sure you won't lose
such a good thing! -

What are you doing at
the Park? - Spending no
more money or making
some by Electricity? -

Whatever you do please
decline any more talks
with reporters - Depend
upon it they do no good
with almost the certainly
of doing harm -

Mr. Harris writes me
under date of the 6th inst.

that he hopes soon to be
able to get your share
of the money of the Ed.
Telephone Co.

Faithfully yours
C. P. Rabbit

No ans

Vinton Ia Jan'y 24 1850.

Ed. Edison Esq,
Minto Park N.Y.
Friend Edison;

Once before I have had occasion to address you from this place. And whilst doing so thought it not out of place to recall to your mind our former acquaintance whilst operators in the Cincinnati W.M. ops. You were then I think "Report Sp.", Lewis & I worked "Sol. ext." Will Adams I think, the "city fork water".

I was in hopes that the letter referred to would reach you by receive ~~a~~ personal attention from you, which would have afforded me very great satisfaction & pleasure, and at the same time would have provided me with a memento of the N. A. Edison of today.

I am at present engaged in "Photography" but speculate still "handier" after the "sounding key." I

enclose you photos of myself & daughter. Time
may have altered my features some, but the
'shadow' may aid your memory of me.

I have of course kept myself posted in electrical
matters, and think that there is a good time coming
for those familiar with the science, and it is
with a view to engaging actively in the field,
that I now address you in hopes of receiving
attention.

I desire to know as fully as possible the details of
your system of electric lighting, and would be glad
to obtain circulars, if you have them "out". I wish
also to enquire regarding the means to be adopted
to utilize, or introduce the system into general use,
and if town, city, or state rights may be obtained.
If not the latter, I would like to ascertain if I could
not make your services of use to the company.

Hoping to hear from you at your earliest convenience
I take the liberty of an old acquaintance to subscribe
myself.

Fraternally Yours,

W. Doan. E. Apr.

if Mr. Doan is about the remember me to him.

Blank No. 1.

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A. R. BREWER, Secy.

WILLIAM ORTON, Pres't.

Dated Newark N.J. 7/24 1880

Received by Sho. A. Edison

READ THE NOTICE AT THE TOP.

Some of your negatives
are stolen do me
the extreme favor to
keep all proofs sent
together and return them
all

EP Spain

W paid

NY June 24, 60
P. H. White
no ans

Room 91-#71 B'way
file
NY, June 24th /60
Prof. T. A. Edison
My dear Sir,
Yours

returned favor of yesterday is
at hand.

I beg leave to reply that I
cannot suggest the utilization
of mica, but leave that for your
genius. The base of your glass
panel, if made of mica, will,
is not affected by heat or cold,
may be the best way to uti-
lize it - I can send you any
size of samples to experiment
with.

By the way, as I chance to
know somewhat of your in-
terviews with Messrs. Dorsey &
Robinson of 61 B'way, I shall

be very glad to introduce to
you a gentleman of large
experience in mines, who
differs decidedly from most
men, as to the production of
ores, & whose ideas I think
run in accord with your own.
He will be here soon, & I will
send or bring him to you if you
desire. He is known here with
reference to reducing ores, but
only to the method which
found ores. His reasoning is
sound, & seems to be correct. If
it is correct, the slight knowl-
edge I have of your suggestions
about reducing ores, coincides with
his about formation. If you
would like to meet him, please
to advise me,

Yours truly,
J. H. White.

T or
Kristiania Jany 26th 1880
Jonas Wærsted
No ans

Kristiania, Holbergsg. 23 Jan. 26th 1880

file
Prof. T. A. Edison.
Menlo Park, N.J.

Dear Sir!

Your favor of the 18th Nov. 1879 was
duly received. Please receive my
thanks for the beautiful picture.

Having been delayed by sick-
ness and waiting for answers
from the most prominent mineralogists
in these countries, I will now at last
answer your query relating to it.

This mineral is very rare, probably the
greatest lot in the world being
in the laboratory of Kristiania and
it is not much over 100 gram. Am-
sen for example was very glad, when

receiving a few grams thereof some
years ago.

The mineral is found only in a
way on the islands in the bay of
Brevig (a town a few miles from the
strait) It is possible to receive it
sometimes but in very small quanti-
ties from the farmers living on these
islands. The price cannot be fixed.

I am respectfully yours very truly

Jonas Westrom

New York, Jan'y 28th 1880

J. A. Edison Esq.

Menlo Park N.J.

Dear Sir: I have yours of the 23^d
inst., acknowledging receipt of description of
Dynamometer, and expressing desire for some
of my publications on Electro-Metallurgy.

I enclose in this some slips cut from the
"Engineering & Mining Journal" of March 16th 23^d
& 30th 1878, in relation to Refining of Copper &c.

As they are the only ones I have, unfortunately,
I feel obliged to ask you to return them after
perusal.

I will, in a short time send you copies of
subsequent publications in the line of refining
Copper, &c.

Respectfully

A. S. Keith.

Send them back with
thanks. Say I find & have
copies of the journal
sent.



Frames of all Descriptions
Made to Order.

CHARLES T. HOOPER,

Wholesale and Retail Dealer in

W.C.
Paintings, Photographs, Engravings,
ETC., ETC.

76 NASSAU STREET,

125 Broadway, under Coleman House.

New York *May 30*, 1880

Prof. H. B. Edison
Dear Sir

We have now in store
handsomely framed the picture
you asked for when you were in
last ("Maona & El Camine")

You have not purchased the
same elsewhere I would be
pleased to have you call in
and see it when you are in
town

Very Respectfully Yours
Charles T. Hooper

a very low cost. He also indicated to me that you are willing to have some one investigate this under your general direction w/o having time to devote to it yourself. Will you kindly advise me what arrangements you would be willing to make regarding the matter.

Wm. L. ...
 Gen. A. Edison
 Menlo Park N.J.

I have had the chance of meeting Company
 with ...
 x

Prof. ...
 Write and say that I have kept the matter in mind since I saw your letter, and that as soon as I can get rid of my ...
 Malthus ...
 January 30 1880

My dear Sir,
 My Father & I understand that in the process of your experiments you have hit upon a possible means of converting iron into steel at a

^m
Kansas City - Missouri

2 1/2. 1880
No. 100

Dear Sir

I received your kind letter
only yesterday - I play ev
every day in another town,
therefore letters sometime
travel after one quite a
good while - but after
all I received it, and I
thank you for it - I thank
you also very warmly for
having accepted my dedica-
tion - which sprang all to-
gether of the admiration
I have for your good
Feminine - I read your
Expose in Lisbon with
the greatest

interest — as I read
everything concerning
you — of course
I will avail myself
of your kind
invitation to come
and see you as
soon as I will
be able to do so,
— you did not understand
me altogether —
I had no idea what
ever of inviting

you to the Concert
on the 14th Jan. in
Brooklyn, I know
too well, how your
time is absorbed,
I am no Edison at
all — and I have
no time for any-
thing — if I had,
you would soon
see me in Menlo-
Park — and I would
force you to in-

vent something
beautiful to the
strains of my
Violin

I am dear Sir
your great
admirer

Edward Remenyi

I hope - I am
sure - you
succeed - I
am sure

Block No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

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A. S. W. H. Green, Sec'y.

NORVIN GREEN, President.

Dated Quincy Ill Feb 3 1880

Received by Victor Hugo

authemise Proof
T A Edison

READ THE NOTICE AT THE TOP.

Say Ed have
you got a job for
a fellow want of work
would like to work
for you, not at telegraph
tho if could help
it - Send me your
Photo + your illustrations
I'd want to show it to the
Boys you know I tell
them I used to work

with Edison that sounds
big you know want
to show the picture to
the natives too -

If you have any
time to spare write
me a line or two.

73

Yours till death
E W Clowes

Cor 4th + Hampshire Sts

There's a high toned family
here that claim relationship
with you Ed has a Doctor

File
No. 22

PH stamping

12

Wappinger Falls N.Y.
Oct 2/90

Dear Edison
Can you not help
a poor devil back into the old
biz. I am busted in those big-
"Whisker Gramp" prevents me from
taking a position as Agr, which
Friend Downer has offered me -
Don't you think I would be a
handy man around your
future developments of electric
lights &c. I have a big family
and am having quite a
fight for bread - Please give
me a show & I'll never cease
you of getting Calahan to
furnish Bixins for your inventions
I was going to call on you

on thursday last but downy
informed me you were in for
a big sleep. If you can
give ^{me} a show to get in
business soon I will be no
stickler for salary or hours
service required.

Please give
the old man a chance

Yrs Truly
P. H. Haughnes

Dear Tom

allow me to congratulate you
on success of Electric Light being
it may illuminate your road
to the highest pinnacle of
fame. - That your Phonographic
Letter per City of Para. - understand
Telephonic Communication is about
to be initiated in this City
Send me the papers
Yours
mfadams

P.O. Box 443.

Rio de Janeiro 5 Feb'y 1880.

T. A. EDISON,

Menlo Park, N. J., Feb - 10 1880.

Frank. McLaughlin.

Cor Colden + Blocker St Newark

See if Sutherland owns interest in ^{ny}

Canadian ^{Patent} if so get it, ~~and~~

~~and~~
12 D.H.

T A Edison

See copy

Pat of issue
in off long time
1 1/2 yrs behind time
you can go ahead
I'll mark
Pat applied for

Sticklin & Griffin Esqrs

Dear Sir:

Will you please
let the Patent go forward on
the Polyform as soon as possible
as we are about ready to let it
out

Yours
W. D. Lewis

Boston July 10, 80
offer 4 1/2 Dollars bond day

Phil Feb 11, 80
Dr C Sibley
or Feb 23, 80

Refer to Philadelphia
Feb. 11th 1880.

Mr. T. A. Edison

Dear Sir

Being engaged in some investigation of the records of speech and especially of the consonants and finding that the telephone gives the best results as an analyzer of these records I address my self to you to ask if it would be possible for me to obtain one of your katabographs or loud speaking telephones. With this instrument I hope to be able to record the records received by the graphophone made and thus control the quality of records made by the ear. If you could give me any suggestions in regard to the use of telephones and the best form to use for my experiments it would be greatly

single & test to you.

I am using a microphone
transmitter and Bell receivers
but not from choice, merely
because I can not obtain one
of your adjustable transmitters.
 Hoping that you will not
think me impertinent in
thus addressing you -

I remain
respectfully yours.

C. Feiler
1608 Pine St.

My dear Edison:-

Dr. Feiler is well known
to us here in Philadelphia
as an investigator in sound.
His mother assisted Helmholtz
in some of his most
important investigations. If you
can grant his request, I know
you will need no urging to
do so. Yours truly,
George S. Barker.

Phila., Feb. 14th 1880

New York July 11/80
Thomas A Edison ^{4:20 PM}
Mento Park

Shall I find you
at home tomorrow afternoon
for half an hour
business

Soren
13 paid
Re 7

New York, Feb 11th 1880

Prof. A. Edison Esq

This is Clara's daddy all right

Write good letter ^{referring} ~~concerning~~ ^{politely} ~~referring~~ understanding
that you were intending to go California
in the spring; also, that possibly Mr
Bachelier needed a little rest and would
also leave for a spell, it seemed to me
that possibly you and I might agree
upon some arrangement, whereby I
could become general manager for you
so as to give you more leisure and
rest.

You have a very thorough
practical knowledge of Electricity,
but it has occurred to me, that I
could advance your interests by my
knowledge of the mathematical theory
and the technical acquirements which
I have of that subject.

The future of the application of
electricity to Mechanics is one of
great promise, and is a field where
inventors can reap great rewards,
besides the many tentative experi-
ments which you are constantly making,
would afford to anyone who is studying

unequaled advantages to demonstrate
theory by practice.

Yours resp.
J. A. Warner

DEPT. OF
AGRICULTURE
WASHINGTON, D. C.

OFFICE OF

The Menlo Park Manufacturing Co.,

New York
~~Menlo Park, New Jersey,~~ July 13th 1880.

J. M. Edison Esq
Dr Sir

I write to acknowledge
the receipt (at Rahway) of (4) four pack-
age of letters pertaining to Polyform, for
which please accept my thanks
In future will you kindly forward
anything in our line to

700 Broadway Room 6 New York

Yours truly
E. W. Weston

My Feb 16, 80
R. L. Cutting Jr
11 Feb 17.

Send Reports etc

My dear Edwin

I promised
Mr. J. A. Budden that
I would write you a
line and express my
hope that you would
go to his house on Wednesday
evening on the occasion
of a reception to the
Murray engineers. He
has I believe sent you

a formal invitation
Please consider yourself
begged to go -
yours truly
R L Cutting Jr

Feb 16/20

[ENCLOSURE]

*Mr. & Mrs. James A. Burdow
At Home
Wednesday evening, February eighteenth
at half past eight o'clock
to meet the members of the
American Institute of Mining Engineers.
Thurspt 139 Fifth Avenue*

Webster Paris

Feb 17, 90

Orvil Hanger has my power atty
I can do no thing from here
it is too complicated see
Hanger

21 Monticello
307
Hs

Edison

[ON BACK OF PRECEDING PAGE]

Griffin.

Try and fix up Bergmann

at D.M.T.C. see his letters, you can

probably arrange to have the forward

Collect his drafts,

ILLINOIS CENTRAL RAILROAD COMPANY.

Matteson Mill Station, Feb. 18 1887

Miss A. Edison
 Menlo Park N.J.
 Dear Sir,

file.
 no answer

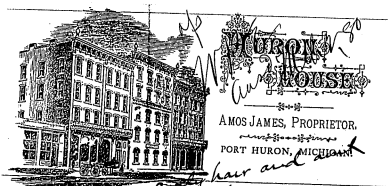
For many months I've
 essayed to write you but always
 dismissed the thought, feeling
 you were pressed with some
 important business, and my
 letter would be a waste of words.
 Have you not, or can you not
 invent so simple a thing as
 will run a Sewing Machine
 by electricity? If so please
 write me price, name & ed
 I may become the happy
 possessor of it! I have a
 lovely Wheeler & Wilson No 8
 standing in the corner of my
 (Lehigh) office but am unable
 to run it, now I am going to Belgium

ILLINOIS CENTRAL RAILROAD COMPANY.

Station, 187

Who I am, The school man
 who boarded at your father's the
 winter you were home sick
 at the Fort & who assisted
 you in inventing that Duplex
 & Quadruplex! I have followed
 you through all these years as
 your efforts have been
 published through the press
 & allow me to say am truly
 glad of your success! Don't
 forget you owe a debt by your
 self, however in your life of
 invention. Please favor me
 with a reply, my name is
 not Paul Dickley now, but
 Mrs W. J. Powers.
 Matteson Coot Co
 Ills

[FROM WILLIAM PITT EDISON]



Dear ~~Pa~~ ^{dad} -
wrote J. R. ^{Re} Tony Bronte
this morning and he tells me
that the Sight - is all OK
and no mistake I want
you to write it a short thing
so that some of those damned
chewpapers will have to take
back what they have said
about it. But what I write
you for is this I guess that
you will remember Sew Ody
the young man that was at
Menlo with Tony Bronte when
Charley was there he drives in
Seymour's father there and

he has always wanted to
go back and work for
you he is not afraid of
work he is willing to do
any thing from carrying the
load to book keeping he is
a good fellow I ^{will} ~~would~~ give
him a place at something
has Father you to Florida
I suppose ~~going~~ the reports
dont you think they look
better will send you them
regular every month and
also hope I can send you
a Quarterly before long
I'll answer and let you
know what you can do
for me

W.P.E.

MANAGER & SECRETARY,
AROLD WHITE.

The Edison Telephone Company of London Limited,
Messrs. House Chambers,
11, Queen Victoria Street, E.C.
London, Feb 17, 1880.

My Dear Edison
This will introduce
Dr Willis of the Queen S. S. My cousin
with whom I crossed last summer
He is desirous of rambling through
your Laboratory and shaking hands
with the Proprietor Please accord
him the dual privilege and
charge the same to the gc of
Your foreign Embassy

C. H. Johnson

P.S. The Doctor is a good fellow

C.H.J.

N.B.
His Captain sings Pinafore
at 1 am on the poop by
moonlight with the girls

C.H.J.

Blank No. 1.
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been adopted by the order of its governing boards.
It is not to be held responsible for any loss or damage to the contents of messages, or for any error in transmission, or for any delay in delivery, or for any failure to deliver, or for any loss of messages, or for any injury to property, or for any other cause, unless it is shown that the same were caused by its negligence.

A. H. BREWER, Sec'y

NORVIN GREENE, President.

Dated Williamsburg, Va. 7/20 1880

Received at Ed. pub. - Raven

To Thos. A. Edison

(Mulla Park of)

Cannot come down tonight, as agreed.

Sickness in family

a paid J. G. Good

READ THE NOTICE AT THE TOP.

say what you please through
them in advance for the
319 West 12th St. *golden*
Kansas City Feb. 22^d 1880.

Mr Thomas Edison.

Benjamin S. J. Sewer Sir,

This morning my attention was drawn to a piece
in the Philadelphia Record, purporting to be
statements made by you, on the success of your
Electric Light. You state, "let a man get up an
invention that is a mere toy, and of no earthly
use. nothing is said about it. But as soon as
a man gets up an invention that is of great
commercial importance, that conflicts with
long established monopolies, then they are grand
rush to endeavor to pull him down, and show
after all that he has accomplished nothing.
Now I venture to say you never, uttered, a
greater truth than that. I have experienced
that truth myself. I have laboured night
and day with my mind & strength, for 30
years of my life, to construct a perfect,

Refrigerator. Five years ago. I claim that I accomplished the work, and the Patent Office gave me two Patents. One for a family Refrigerator. The Other for Car Refrigerator. As soon as I built a car and tested the principle before the Public. It was pronounced a perfect success by, all classes. what was the result: as soon as the Stock yard Companies between Lebanon & Boston see, and become convinced, that I had a car that would carry fresh beef, any distance, and at all times of the year, in a perfect state of preservation. They formed a ring to prevent me in running my car. got the Rail Roads in with them, to bluff me down, because I could carry 40 beves in my car where only 18-20 live cattle could be transported. It would reduce one half the freight on beef to the R.R. Co's, and it would do away with all Stock yards, for the simple reason, that every Cattle-raiser could butcher his own beves, where ever fatter (in the vicinity of a R. Road) and ship them to any distant Markets. The Heavy Monopoly, has resorted to every mode of

Massachusetts Aug 23 1880
J. H. Campbell
to Mr. W. V. 1880

of strategy, to buck me out of my Patent, to get
the controlling power in their own hands, and
have used every means to discourage me in order
to induce me to sell my Patent for a trifling sum.
But I have stuck and hung to my Patent, up to the
present time, and now after 5 years fighting,
they begin to yield. And I believe to day, that
I have the largest amount of money on my side,
and of course, the balance of Power, and by
next year I will win the day. ~~Give~~ My
interest in your success, is next to my own.
And I hope soon to be able to present you with
as nice a Colorado, Turkey Gobble, killed to you
in Colorado in the month of August, as you ever
bought in the City of N. York.

With my kindest wishes
I remain Respectfully
J. H. Campbell.

Blank No. 1.

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It is not responsible for messages sent by the sender in violation of its regulations, and the Company will not be held liable for messages sent in violation of its regulations or delivery of telegraphed messages.
The message is acknowledged when it is received and is delivered as presented for service, under the conditions.

A. R. BIRKBECK, Secy.

NORVIN GREEN, President.

Dated

New York July 23 1888

Received at

2:06 AM
To Thomas Alva Edison

READ THE NOTICE AT THE TOP.

It is a general holiday
I find will defer
my visit to you
until tomorrow
Tuesday

John Waugh
1 spac
#of

Blank No. 1.

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A. R. BIRKBECK, Secy.

NORVIN GREEN, President.

Dated

New York July 24 1888

Received at

3:50 PM
To T A Edison

READ THE NOTICE AT THE TOP.

Much obliged for ~~the~~
suggestion. may take
some time

A McK Swombly

of Charles W. Johnson
appearance
or not

Western Union Telegraph Company,

Clarksville Tenn. July 25th 1886

of Thos O. Edison

Friend Tom

I think of throwing off the bondage of this office, which has lasted eleven years, and strikes out for the engineering field, that is, in the electrical department, I feel cramped here, my full understanding and practical experience in complicated wires and machinery will fit me for the management, construction and working of any-thing, from your Quadruplex down through the telegraph field to the Telephone and District systems even into the Electric Light, I have kept posted and am quite up in understanding, so as to operate practically, by setting up any ~~any~~ kind of complex machinery at all kinds of stations, You may remember that I was one of the few in Cincinnati's office that

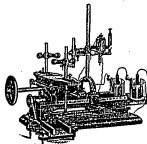
When I hear of anything good
will let you know

furnished J. F. Stevens a full sketch
diagram of the Sicks Repeater which
was some for those days,

I wish a letter of introduction
from you, "to whom it may
concern," that will assist me in
making up "a better claim," in
some of the departments above
referred to, suit your convenience
as to time as I have a safe thing
here \$80⁰⁰ per month and will not
let go till I hook something better,

Should you happen upon a
"missing link" that you could supply
by recommending the undersigned I will
appreciate it also, I fear you have been
~~heard~~ heard considerably by Operators &
other friends who hardly knew you in your
unlucky patient's toil at the foot of the ladder
above the top of which you now stand.

A hint from you as to my ability on points
named is all that I ask of you in the letter
requested, I can eat up any body as to habits & desires
giving bond &c. Respectfully, J. P. Pearce



P. O. BOX, 157.

THE GUERRANT Electro-Engraving Machine,

MACHINES SOLD WITH LIMITED TERRITORY TO USE THEM IN.

Address, G. M. GUERRANT.

Banville, Va., Feb 25th 1880

Prof. Thomas A. Edison

Dear Sir

I called to see you several days ago but could not do so I have a valuable invention that will be issued soon and I wanted to see if I could get you through your agent in foreign countries to introduce it for me I have gotten up several inventions but for want of proper management have done but little with them I would like to know if you will do this I enclose slip of Engraving done with one of my inventions I think you saw this when in the infancy and I venture to ask a favor of you which would be of great value to me that is to give me certificate saying you had seen the machine & I have certificate as to its work from the leading firms of the country

*Yours Respectfully
G. M. Guerrant*

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the receipt of this certificate. Messages sent back to the sending station for retransmission, and the Company will not be held liable for messages of others in consequence of failure of telegraph lines or telegraph messages. This message is VOID IF SENT BY TELEGRAPH TO ANY OTHER ADDRESS THAN THAT OF THE DESTINATION OF THE MESSAGE, UNDER THE SAME DATE.

A. B. BELVERER, Secy.

NORVIN GREEN, President.

Date: New York Feb 27 1880

Received at: 7:30 PM

To: Edison
Meulo Park

READ THE NOTICE AT THE TOP.

Mr. Conway and I
will be there tomorrow
afternoon, two thirty
EM Boy

11 paid
Ref

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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A. B. BELVERER, Secy.

NORVIN GREEN, President.

Date: New York March 2 1880

Received at: 10:30 PM

To: Edison
Meulo Park NY

READ THE NOTICE AT THE TOP.

Since we cannot come
out tonight visit
postponed few days

Alberne Roscoe
10 paid
Ref

American **EXPRESS** Company.



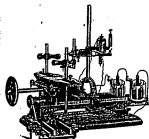
Dopkins, Mo., March 3 1880

Mr Edison

Dear Sir

In looking over some papers the other day and seeing your name my mind was carried backward 15 years and I was led to wonder if you were the Edison that we use to call little Al the boy that Alex Stephenson Conductor on the Fort St. Louis Division called his boy it also came to my mind if you are the same of any recollection of old times and come across you in the whirl and excitement of present hopes and ambition if you ever recalled to mind parties you were then acquainted with sometimes I catch myself asking the question where such a one is for instance McKenize of Mt. Vernon Turn of Baltimore. I lost all trace of them if you find time you might drop me a few lines I use to be at Utica

yours Al Kennedy



P. O. BOX, 157.

THE GUERRANT
Electro Engraving Machine,

MACHINES SOLD WITH LIMITED TERRITORY TO USE THEM IN.

Address, G. M. GUERRANT.

Danville, Va., Mar 4th 1880

Prof Thomas A. Edison

Dear Sir

Your esteemed favor just to hand
giving me address of your agent in
London and saying you would sign
Certificate for me if not objectionable if
the enclosed Certificate is objectionable would
be thankful for any thing you may say
for it with your permission I will forward
to your agent in London one of my new
inventions as soon as I can get one ready
yours very Respectfully
G. M. Guerrant

Please address me
at Charleston S. C.

Drexel, Morgan & Co.

P.O. Box 3036

New York March 5th, 1880

Friend Edison,

Please write me a few lines, saying in general terms your prospects are good, or better than ever, or something like that -

A Lady in England, whom we wish to oblige, wants your autograph - If you ^{have} a Photograph to spare please put your signature

on it & send it some -
Only I hope it will be a better looking thing than the Bust in the window of Wells & Gortler Parry -!

Yrs faithfully
C. P. Webb

J. A. Edison

[FROM JOSIAH C. REIFF]

Nymck 8/80
When did J. W. leave
Meals. roken with to return
I suspect to see him here
Thursday there heard nothing
from him. J. C. R.

170

Paris

March 8, 80

9:20 P.M.

Edison Menlo Park N.J.

Expenses carrying business obliged me to
draw sight Phillips bills which I paid
avoid scandal have ~~drawn~~ pay by
Cable advice White Gray contract signed
mailed fifth for ratification

Bailey

33-

OFFICE OF

EDWIN M. FOX,

Attorney and Counselor at Law,

No. 200 ~~at the corner of~~ 120 Nassau
~~Street~~ Room 24.

New York, Feb 13 1880

My dear Al; I send you
by Griffin \$1400 - 7000 in
bills and my check for 400.
The balance I will give
you in two or three days. My
friend asked me for the
temporary use of \$2000. Griff
will explain.

I send you my certificate
of 3 Sh Electric Light as
security for the remaining
\$2000 on C's acct. Keep my
5 shares of Ore. Milling for
a few days
Truly
Edw. M. Fox

MANAGER & SECRETARY,
ARNOLD WHITE.

The Edison Telephone Company of London Limited,
Mansion House Chambers,
Rooms 2713.

11, Queen Victoria Street, E.C. 4.
London. *Mar 15* 1880.

19 words a minute
Through Malta & Gibraltar
Cable 980 knots Paper
in local Ckt of a
Brown & Allen Relay

EWJ

T. A. EDISON,

Menlo Park, N. J., March 15th, 1880.

8% 1000 shares. Cash \$7,500
17% P.S.'s at 60 days \$500
\$62,500

The latter being optional

Western S. Deane

11 E. 6th St
Plainfield, N. J.

Miss M. J. ...

Myrs March 15 1880
1025 AM
J. A. Edison

Do you wish to make such
an arrangement as proposed
to Mr. Carman Thursday

If so can you see me
today with a view to immediate
action Please answer

J. A. Harbrock

29 paid
H. F.

We dont go into enterprises
in such a precipitous
manner

Edison

12th
5/10

11 Collier

John H. Pitzer,
Cresswell Lowrey,
Geo. Walter Stone,
Chas. Everett Stone,
Geo. S. Hamilton,
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lowrey, Stone & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. New York.*

March 16, 1890.

My dear Edison:

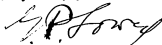
Enclosed please find two bills of Mr. Serrell to Drexel, Morgan & Co. and to Fabbri and Lowrey, for patents to be issued for recent improvements. The bills are sent to me by the Fabbri for my approval, of course. Do you think they should be taken out? I assume that in some of these foreign countries we could get on very well with the principal points covered, whereas in this country we would have to cover everything, because of contests with other people, who seek here for similar protection.

I have arranged with Dr. Green to go down to Menlo on Thursday at one o'clock, to have a talk with you on the subject of the Metograph. I repeated substantially what you said, and I think it is wise and desirable that you should make your view of present relations with the Western Union entirely clear to Dr. Green. Do not hesitate to express yourself with the same definiteness that you did to me. It will be useful to both parties to understand each other fully.

Please let me have the bills and letters back by mail,

with the expression of your opinion and wishes as to whether
these Patents should be taken out in all these countries.

Very truly yours



Thos. A. Edison, Esq.

Enclosures:

Letters & bills of E. W. Serrell.

Foreign
EB NY Mar 16, 1880
by P. H. Rowley

Regarding Dr. Green the
Metaphor of Semelle bill
for foreign E. I. patents
None

Section 5 of the Act of March 3, 1879.
Photocopies:

John V. Brown, Esq.

John V. Brown, Esq.

These papers should be given out in the case conference.

It is the intention of your division and yours to be referred

MIDDLESEX COUNTY CLERK'S OFFICE,
CHARLES S. HILL, Clerk.

New-Brunswick, N. J., Mar. 16 1882.

Dear Sir,

In regard to search against
"Mendo Parc" lots, you advised I am un-
able to give a correct search for liens
without making a complete search for
Conveyance, while you do not ask for
 deeds, I concluded not to make the
same without you say so. It will
make the search more expensive, the
statement you sent does not show
all the Conveyance, please let me
know what to do, and I will com-
plete search in quick order,

Yours &c

C. S. Hill Clerk

John H. Foster.
Governor of Livery.
Geo. Walter Davis.
Chas. H. Davis.
Geo. S. H. Davis.
Wm. L. Foster.

P. O. Box 1836.

Porter, Lowrey, Loran & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St. New York.

Wednesday March 17 1880.

Dear Sir:

Mr Lowrey directs me to write
you that Dr Green and he will come out to
Munk's Park tomorrow on the three o'clock train
Very Respy

Francis Jordan

Thomas A. Edison Esq.
Munk's Park.
N.Y.

EB NY Mar 17 80
G. B. Lowrey
No ans

Mar 18 1880

C. L. Hill
County Clerk
W.B.

Make a complete search on lots
from Isaac Thornall's Conveyance

Wm. H. Hill
S. A. Edson

Western Electric Manufacturing Company, of Chicago.

Electro-Medical Department, Eastern Supply Dept.

Dr. T. CLELAND, Asst.

~~200~~²⁰⁰ BROADWAY, NEW YORK, *Feb. 18th 1890*

Prof. A. Edison
Menlo Park, N. J.

Dear Sir:

I am just in receipt of postal from G. H. Bliss telling me I will have to apply to yourself or Mr. Batchelor for the formula for the Edison Duplicating Ink, and as we are very quiet out it will be a great accommodation if I can get it soon.

If possible please let me have it this week and greatly oblige

Yours truly,
T. Cleland

m/

My Mar 18, 50

J Cleland

No ans

Western Union Telegraph Company

George B. Prescott,
Electrician.

New York, March 19 1880

Mr. Edison Esq

Menlo Park N. J.

My dear Chevalier!

I am very much obliged in receiving your letter
last week about the sale of the European Patent. I
thought it had proposed of course a different and
appreciable amount, which certainly would have
pleased better my European friends and myself.

Why I should you one more? I took the liberty
a couple of weeks ago to send you a copy of the
New York Herald & Tribune Co. (New York) prospectus,
I trust I should have. I am a "little" interested in
his patent and its success. Perhaps you can recollect
I told you this as early as 1877, when you found
the first plan and Bennett's letter to me about the
subject, and said to me: "a good plan, very interesting."

Wm. M. Bennett
New York
March 19 1880

Over and over again several times. A good plan!

I recollect these words of you very distinctly. And I try that these words out of your genial mouth have kept up my life and most sanguine hopes for better times to come, even in the dull "humdrum" of our darling Electricians Department?

But, let me not, ^{begin} by taking too much of your valuable time, and finish by requesting you most respectfully, respectfully and politely to send me a few lines through your Secretary expressing your esteemed opinion of the development, to the effect of, ^{etc} "considering" "reviving" my hopes in our patent and its hopes for financial results is the real question. I am sure you can tell from a glance, if it probably is going ^{surely} to be the "immense thing" some parties claim it to be?

Will you oblige me

Yours respectfully
and admirably
William H. Bok
Room 20 - 195 B'way

Say to Bok that
if Bennett's March
does as he says
to a Boyer

Mar 20. 80

321-

My 20

T Edison

Will be in Mexico
this Evening

Edwin M Fox

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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A. H. BREWER, Secy.

J. H. ROYIN GREEN, President.

Date *New York Mch 20* 18*80*
12. 5 PM

Received of *T. A. Edison*

Have three seats front
row what time do
you arrive where shall
we meet and dine

READ THE NOTICE AT THE TOP

J. C. Reiff
16 pd
H. J.

T. A. EDISON,

Menlo Park, N. J., *Mar 20* 1880.

J. B. Reef
52 Broadway N.Y.

Cannot come tonight

Edison

4 D. 76.

Mr. Wm. H. Murray
Newark, N. J.
March 20th 1888

Prof. Edison

Newark, N. J. Mar. 20th 1888
118 Market St.

Dear Sir:

You have no doubt received the copies sent you of the Temperance Herald, the Organ of the Women's Christian Temperance Union of New Jersey. The paper will be one year old this first of April, and while it has proved a success in so far as it has lived, and only sunk \$2.00, yet the struggle has been great. We decided now to scatter the paper throughout the State, where we feel sure it will do good, but we

have no means to do this, and
have resolved this Spring to solic-
it help from the gentlemen inter-
ested in our cause. Any assist-
ance you could render us would
be most gratefully received.

Yours Most Respectfully,
Mrs J. A. Beecher.

J. C. REIFF.

No. 52 BROADWAY.

New York, March 20 1886

Dear T. A. E.

Sorry that recd
the telegram that you & Mrs
E. could not come tonight, as
I had the best seats in the
house.

Let me know what night you
can come in - I am anxious to see you to
learn what was done last evng.
Will you be in Monday? If so
admission free, otherwise I will
come out.

Yours
J. C. Reiff

+ if possible I
humbly stayed away

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Western Union Telegraph Company, Montreal, Canada, is a corporation organized under the laws of the Province of Quebec, Canada, and its capital is paid up in full. It is a member of the International Telegraphic Union, and its telegrams are received and delivered in all parts of the world. It is also a member of the International Telegraphic Union, and its telegrams are received and delivered in all parts of the world. It is also a member of the International Telegraphic Union, and its telegrams are received and delivered in all parts of the world.

A. H. BIRD, Secy. NORTH GREEN, President.

Dated Montreal Can. 3/25 188 ⁸

Received of St. Albert Edward

READ THE NOTICE AT THE TOP.

Unable to see
you so per
Department will
see you next
Wednesday.

R. D. Dorsey
1/2 paid
1/2 Rate air mo
Hx + af

MANAGER & SECRETARY,
ARNOLD WHITE.

The Edison Telephone Company of London, Limited,
Messrs. House Chambers,
11, Queen Victoria Road, E.C. 4.
Rooms 2013.

London, 11th March 1880.

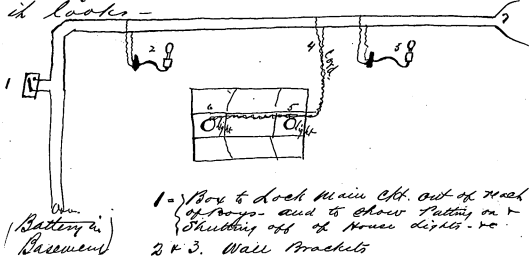
My Dear Edison

I have now 4 series of 45 Cells
Each - Fuller - on my Lamps & yet
I have not enough quantity to supply
2 Lamps without causing a slight
Variation in the 1st when the 2nd is
put off and on. The Electro Motive
force of 45 cells is not sufficient
either, I find it requires 50 to bring
them up to a superior Gas jet. I have
therefore today ordered 20 additional
Cells to bring my 4 Series' of 45
up to 4 of 50 - It costs like Hell
but I expect Tyndall & Thomson
soon and I am determined to
do the thing justice - I have two
Elegant Brass Knights on my desk
- one on either side of my writing
Tablet. The socket & Lamp are in
harmony with the figures & makes
a really elegant combination -
Then I have two Brackets on the
Wall with handsome relief photos
hanging behind them.

2 MANAGER & SECRETARY.
ARNOLD WHITE.

The Edison Telephone Company of London Limited.
Messieurs House Chambers,
Rooms 27/28,
11, Queen Victoria Street, E.C.

the effect of the E. L. System which is
very much admired =
My Circuit is neatly made on the
Wall & Desk so as to be seen at
a glance - The Multiple Arc excites
quite a good deal of interest
Let try & give you an Idea how
it looks -



- 1 - Box to lock main ckt. out of reach of boys - and to show putting on & shutting off of house lights - etc.
- 2 & 3. Wall Brackets
4. Cord - (7 Stand Cables) - with another Cord Tap.
- 5 & 6. Spring Switches holding a staff with "Edison E. L. ~~System~~" =
7. Main Cord with Ends exposed to show open ckt.

The Edison Telephone Company of London Limited
Messrs. House Chambers,
Riverside Buildings,
11, Queen Victoria Street, E.C. 4.
London. 78.

MANAGER & SECRETARY.
WINDOL WHITE.

3/

My Desk is a handsome double
slope mahogany - ~~fixed to~~ ~~the~~ ~~wall~~ to the
right on the wall. I have fixed a
regular Telephone - a Loud Speaker
(Cash Don) - and one of my Bell Tel.
Patterson Clockwork receivers - Thus
I can give Every sort of Telephone
demonstration - Down Stair I have a
Crossley - a Blake, & an Edison
Transmitter - On my wall I have
the 3 diagrams of the Carbon
Principle - nicely framed - on a
shelf I have the model made by
you for me when in New York lately
including the Paper Speaker (which
by the by Talks Splendid).
I also have a small Phonograph -
on view.

My Windows can be made absolutely
dark - I have 2 good Gas jets.
I am thus particular in giving you
the arrangement & contents of my
office because I want you to know
what it was that a couple of your

The Edison Telephone Company of London, Limited.
Mansion House Chambers, 11, Queen Victoria Street, E.C. 4.
Room 213.

4
MANAGER & SECRETARY,
ARNOLD WHITE.

London 18
friends saw last night
Mess Macdonald Genl manager
and Chinnery Chief Editor of the
London Times visited me by appointment
at 5 pm. - to remain a few minutes -
White & I kept them = Rose Brown &
a couple of others being stationed
where they could do the most good
Telephonically =

I had the day before been mentioned
to Macdonald that I had the lights
in operation - He said "I'll come & see
them at once & bring our Editor if I may"
& they came = The heaviest snow
in all England =

Order of exercises - A. Explanation of Edison
position in re. to scientists & fellow
investigators - in re. to newspapers
& other visiting Laboratories - Point of
any fault - one of the great offences
of character - not exclusive by nature
B. Description of works - light exhibits
machines Laboratory re at menu
C. - Explanation of Lamp - Carbon Multiple
Arc

MANAGER & SECRETARY.
ARNOLD WHITE.

The Edison Telephone Company of London Limited,
Messrs. House Chambers,
11, Queen Victoria Street, E.C.

5. Difference bet Incandescent ^{London} ^{and} ^{are} ^{praised}
in re. to maintenance of Ckt. Continuity
- preservation uniform resistance etc.

D. Exhibit of Lamps in variety of ways
- Exhibiting - Convincing - Audition
delighted - Comprehensive point made
on Preece as to adjusting course of
supply in accordance with demand -
Remark. "Preece not an authority on
Electrical matters" =

Result of exhibit - all I could desire =

E. Exhibit of Telephone exchange (adjoining
room) Explanation P.O. content.
Extracted unqualified opinion P.O.
people in Error in claiming Telephone
- or in attempting restrict its growth =

F. Exhibit Telephones in my room
- inclusion of - Various adjustments
Edisonian, Microphonic etc - No. 1000
Wire - Induction etc etc - Soft. Loud
& Conversational - delighted =

G. Explained in one hour Lecture

The Edison Telephone Company of London Limited,
Microphone Patent, 11, Queen Victoria Street, E.C. 4.
London. 18

MANAGER & SECRETARY,
ARNOLD WHITE.

6 lectured to with utmost attention
occasionally interrupted by intelligent
questions. Microphone shown to be
No magnifier of sound - but simply
a sound - or telephone-transmitter - i.e.
Edison Telephone - Diagrams explained
- In short whole subject made
so clear as to elicit remark
"Now I comprehended the Edison Hughes
Patent Controversy as I never did
before. I am indeed gratified & obliged
for this lucid explanation"

Preece heartily ex-coriated by me
& shown to have applied for Patent
for applying Micro to Telephony
with Edison's Telephones in his
possession -

Elicited justification of your course
toward Preece - but expression
of opinion that neither Hughes or
Preece understood the principle
of the microphone -
anecdote by McDonald -

The Edison Telephone Company of London Limited
Messrs. House Chambers,
Riverside Buildings,
11, Queen Victoria Street, E.C. 4.
London. 18.

7. MANAGER & SECRETARY,
ARNOLD WHITE.

"I visited the P.O. lately & Preece showed me your telephones at work on a wire upon which Telegraph inets were at work, & which gave out a loud crackling sound - I could not understand a word & could scarcely hear anything but the noise - Then I was shown a Microphone Transmitter & Bell receiver which talked beautifully - the receiver being absolutely dead during cessation of conversation - (I subsequently found that this wire only ran into the basement) The difference of conditions were not explained to me - but I saw there was an extraordinary difference when the inets were at rest - this excited my suspicions, but I said nothing as from having your telephones in daily operation receiving our reports from Reuters I knew its capabilities. & I thought it best to allow Preece to play his part

MANAGER & SECRETARY.
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.
Messines House Chambers, 11, Queen Victoria Street, E.C.

Room No. 213.

London, 18.

To the end. I came away convinced
in fact without the shadow of a doubt
that an attempt had been deliberately
made to deceive me. I mean to
make use of the fact at the proper
time. From what you have today
shown me especially in re. to the
Effect of Induction, I am now certain
your Telephone was on a long wire
or Cabled wire - & then on a local
Ckt. = "Na! Na!" mts. for us =
(White & I are going to send competent
experts to the P.O. & interview Preece
in this same line & get additional
testimony against him.)
Interview Opened at 5 P.M. Closed
at 7 P.M. The London Times is more
than ever Edisonian: It is now a
partizan - a satellite. So to speak.
I bargained in advance that no
mention should be made in the
Paper of what they had seen
Exploined why re. The benefits
will be felt rather than seen

The Edison Telephone Company of London Limited
Messrs. House Chambers,
Room 2113, 11, Queen Victoria Street, S.C.

MANAGER & SECRETARY,
ARNOLD WHITE.

I in the extra back cover ^{London} the next 78
Edisonian Article will have -
Goussard - didn't even know of
the contemplated visit - He has
not yet spoken to me - & consequently
not seen the lamps - such is the
price of vanity.
What is your opinion of my
1st use of your lamps? -

Nothing new telephonically - the
new contract is vibrating between
your lawyers & the Company's
Bourgeoisie is still Electioneering
Dualgamation is in statu quo -

I am rendering a bill against
Bergmann for cost of repairs
& overhauling had work - It will
cost him like the Devil - I warned
him when in my work as to cavity
complain - my little interest
there - may go to Hell before I'll be
taken advantage of.
Yours Ever E.H.P.

EDISON'S

Address
GEO. H. BLISS.
Genl. Manager

76 Market Street. Chicago, Nov. 76 1880

Wm. A. Edison Esq.,
Marble Park, N. J.

Dear Sir;

What is the condition of
my work interest in Europe? How
much money have you to my credit?
How is the business light proceeding?
Expect to send you a batch of 100
from the mountains in May,

Respectfully

Geo. H. Bliss

Hundred a day cost
from Europe yet,

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been printed on the reverse of the following order.

Messages sent by Special System only are subject to message-back in the sending station, for retransmission, and the Company will not be held liable for any delay or loss of such messages.

The transmission of UNRECORDED MESSAGES and is subject to the order of the sender, under the conditions stated above.

A. H. HARRISON, Secy. 3 NORVIN GREEN, President.

Date New York Mar 29 1880
7:50 P

Received at St. Louis
To New York

What day after tomorrow
can I see you
as four o'clock

E. B. Torrey

11 paid
by?

READ THE NOTICE AT THE TOP.

Newark March 31st / 1880.

Mr J. A. Edison.

Dear Sir,

Your note with
enclosed check for \$15.00 just
received. Accept my hearty thanks
for the same. We hope to do
much good with this seed you
have sown.

May the Lord, who has so
wonderfully endowed you with
mental powers, bless you more
and more.

Yours Truly

Mrs J. A. Beach.

7/1

T.B.K. Davis
No. 1000

Philadelphia, March 31st 1884

J. A. Eldon, Esq.

My dear Sir -

I sent you a paper announcing the fact that I had begun the C.B.T. cell management - It was ~~sent~~ sent you ~~me to read~~ - as soon as I got started, I shall tackle something else - my object in writing you is to say that you once spoke of the number of things you run across in your experiments that would be good to develop, if as one reliable enough could be got hold of to develop, the - If you have anything of that kind on hand now, bear me in mind - I will call on you soon on my way to Newport.

June 24
M. A. Baird

[The remainder of the page contains extremely faint, illegible handwriting on lined paper.]



THEODORE GUBELMAN,
Photographer,

79 NEWARK AVENUE & 304 HENDERSON STREET,

Jersey City, April 2^d 1880

Mr. Thomas A. Edison

Dear Sir

Your reply at hand. Would greatly prefer to make a sitting myself at my gallery as it would be somewhat out of place to send a portrait to a worlds fair which was not my entire work and as I will be the only photographer from this state represented there I would very much like to have your portrait in my exhibit.

In case you should arrange it you may telegraph your coming and I will agree not to delay you over twenty minutes

I would further agree that no other use will be made of the portrait than designated

Yours Respectfully

Theodore Gubelman

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been submitted to by the sender of the following message.

This message is an UNREPEATED MESSAGE and is delivered by register of the sender, under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York 7/2 1880

Received at St. Thomas Edison

READ THE NOTICE AT THE TOP.

Can I see you
if I come on
one o'clock train today
Pickwell Post
12th St
Hof

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This message is an UNREPEATED MESSAGE and is delivered by register of the sender, under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York 7/3 1880

Received at St. Edison

READ THE NOTICE AT THE TOP.

Will be down this
afternoon with contract
payments will be
made Monday
J. F. Wilber
12th St
Hof

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the message.
It is not to be accepted unless the sender has paid the full amount for the message, and the Company will not be held liable for any delay or loss of messages or for any damage to property or for any loss of money or for any other loss or damage caused by the use of the telegraph, unless the sender has accepted the conditions under which it is used.

A. H. BREWSTER, Genl. Mgr.

NORVIN GREEN, President.

Dated *Newport, April 5* 1880

Received at *10.20 PM*

To *Edw. J. Meade Kent*

READ THE NOTICE AT THE TOP.

*No regretfully
small
via London (sig)
500 Paid (no sig)
Larrif*

Apr 6.00

New Haven Conn 6
T. A. Edison

Just returned referring to your
query six the ultims Can make number
three at once Is it too late?

Better mail sample

C. E. Bull

21 NH and 1.00

New York 6
T. A. Edison

Expect to be at menlo Park
from five thirty to six thirty
today

E. M. Barton

12 paid

The New-York Associated Press:

DENVER AGENCY.

Genesee, (Cal.) April 10 1880

Friend Edison

My Telegram of this morning hardly conveyed what I wished to ask you, I do not understand that you propose dealing in "Rights" for your new process of working tailings but on a royalty. If such is the case I should like to make some arrangement with your Co in regard to this section of the country - I can send you Tailings from different localities where the supply is great if you should wish to make any experiments - or, I should be glad to give you any information in regard to this country if wanted -

I have been living here ever since I left Cincinnati over Ten years ago when I was

out of Telegraphic Service since
last August - I was sorry you
did not run down this way when
you were out in the country
at time of Eclipse - I have
watched your progress & success
& it gives me great pleasure
to see the old times meet with
that prosperity they so richly
deserve - I am now engaged
in mining & prospects are much
better than panning at the key
your friend
C. J. Busch

T. A. EDISON,

Menlo Park, N. J., _____ 1880.

Prof. J. B. Barker

Please order for
me from Gillman's farm
from the start to 1875

~~from the start to 1875~~
do you think they have them
and what would be the
probable price

Dear Sir

Edison 11/14/1880

OK

CC

T. A. EDISON,

Menlo Park, N. J., April 15 1880.

American Mechanist
96 Fulton St
N.Y.

Have not received Le Van's
report Prof Sweet has called
attention to error in it

T. A. Edison
7

eml -

Executive Office
Western Union Telegraph Company

New York April 16th 1882

I placed polyform in hands of

person who have it now in my hands

My dear Mr. Edison of the awful amount of correspondence
I have to write which the number
I have no intimate friend
I have no intimate friend

who has had a long experience in the drug
business, understands it fully and practically
and is well acquainted and endorsed with
the prominent members of the trade, especially
in New England & Boston where he has been
in business. He is now out of active employment
and I wish to enquire if you could not find
his services valuable in connection with "Polyform",
as he could attend to any branch of the
business. If not otherwise disposed of, the New
England Agency would be carefully managed in
his hands. I hope you can let him take
a part in the new enterprise and if there
is the least possible chance to afford an opening

for him will let me know of it, for I am certain
he would prove a most valuable man.

Yours sincerely
A.H. Kent

Mr. [unclear]
A.H. Kent
April 9, 80

University of Pennsylvania
Philadelphia, Apr. 20, 1880

My dear Edison:

Enclosed I send you a letter from Prof. Dana in reply to your letter to me asking me to order for you the complete set of the American Journal of Science. Please answer it.

I have not seen the Illustrated Scientific News to which you refer. But I have too much to do to undertake a newspaper controversy. I was somewhat inclined to reply to Pope's note, but didn't. Mayer & Norton's paper was not so bad after all in its experimental part, but its conclusions were absurd. Norton's paper in the Sanitary Engineer is bad enough.

Cordially yours
George F. Barker.

[ENCLOSURE]

 The American Journal of Science and Arts,

JAMES D. & E. DANA, PUBLISHERS

File B 300
New Haven, Ct., April 16, 1880

My dear Prof. Barker:

We can furnish the
Edition with the full set
desired. — For the 1st series
the charge is \$12.00
a volume; + for the rest \$11.50.

We have a bound set of
the first series — quite handsomely
bound in buckram Morocco, + about
as good as new, which will cost
him only 40 cents additional
per volume. If he would like to
see a sample, we would send on
a volume.

Very truly yours
James D. Dana

[FROM ELLEN ADAMS]

Newark April 21

Mr. Carman

I would off
liked to have know if the
papers went all right.

I sent them in Mr. Edison
Name thinking they would
go quicker & safer & I
have never heard anything
since about them

I will send the

Note signed also
Mrs Adams

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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Every one who sends a message is liable for the amount of the message, and the Company and their operating personnel shall be excused in the event of any accident, under the conditions set forth in the TRANSMISSION REGULATIONS and in contracts of the company, under the conditions stated above.

A. R. BARBER, Sec'y

NORVIN GREEN, President.

no1

Dated New York, April 22, 1880

Received of Thos A Edison
at Menlo Park

READ THE NOTICE AT THE TOP.

Will you be at home tomorrow noon?

T. B. A. David
at Berman Hotel

100 A.
EX

ack if possible

Blank No. 1.

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A. R. BARBER, Sec'y

NORVIN GREEN, President.

Dated New York April 22, 1880

Received of Prof Edison
at Menlo Park N.J.

Prof Mallett of Canyon City Col desires me to ask prof Edison if he will be at Menlo Park on Friday. answer paid

Charles Latimer
District Telegraph
Station 31 N.Y.
27 paid
C.C.B.

READ THE NOTICE AT THE TOP.

62111
I don't think I will be here
I got to travel to a law suit

Prof. J. E. Allen, No. 40
Office of the Union Working Men's Club,
Photo of J. E. Allen
Albany, N. Y., April 22, 1886.

Dear Jan

The call for the
Reunion of Old Times set
me thinking and looking at
I rattled off that scribble
in the enclosed that I send
you today. Hope you will go
to the reunion.

I write particularly
today to ask if you will
exchange photos with
me. If so send me one
and I'll reciprocate. Put
your "bit" on back for all
times sake. If you permit
it, I hope to drop in and

see you at Kendall Park
some time. I'm a night
owl and will sit up to
hear your organ.

Miss Clarke of the
depot has one of your
shop photos but it
was cracked in coming
up. Regards to your babies.
I'm fat, 40, weigh 273
and still virtuous as
all bachelors should be.
Am proud of your success
and hope you will get
at the head of the heap before
'30" is pinning you.

With best wishes for
you and yours I am,
Your Old Friend
Jack J. Langgon

BREVOORT HOUSE,

Fifth Avenue, near Washington Square,

New York,

April 29th 1880

Dear Prof. Edison

I think of

coming on Tuesday
next with a friend
or two. If not agreeable
on that day please
let me know

and oblige,
Yours Sincerely,

Albert Einstein

Make up 2000
All right will
be pleased to see
fraction

Apr 26. 80

ad. downed
mgr N.Y.

Please loop wires 7 x 8
at N.Y. + Phila. ^{when gone please notify Mr. P.} _{Dolan}
will understand

Edison

NY 28

apr 28, 80
1230

Thos A Edison

Mr Lowrey cannot go
today Porter Lowrey S & S

to collect
Hos 1

^{my}
Ask Brewer's Egg Storage a May 19, 1880
New York City.
about May 10, 1880

Thomas A. Edison Esq.

Dear Sir:

I desire to word of your
confidentially.

I learn from Mr. August
Webber, that he acted for
you in some capacity,
when your works were in
Newark. In an about
taking an interest together
I have known him only
during the past year.
I have found him a quiet,
& first class workman.
Superior. Can you recom=
mend him for thorough=
ness in every way as to
good habits, honesty, & can
you recommend him for a partner
So you know him & his
good services

I would make this
enquiry in case of
any trouble
Wm. E. Hodge

NY May 17/10

La. E.

I need that letter
at once.

Have you sent it?

V JER

[POSTMARK: MAY 19, 1880]

I mailed to you my Liberty Hymn
please let me know, if you
received it -

Marquette - Michigan - P. Office

very truly

your admirer

Ed. A. Mearns

Spring Valley Mining & Irrigating Company.

Location of Mine, Cherokee District, Ga.

Cherokee, May 27. 1880.

Robert Alley, District
Clerk, Atlanta, Ga.

Thomas Edison Esq.

The Major brought me, with your
compliments on his return from the East - a
pair of ~~portable~~ telephones, a Photograph and
a photograph of yourself, endorsed to me by
your personal hand, in which you were
pleased to express your friendship!

I want to express to you my appreciation
of your remembrance, and I trust you will
not consider me effusive, when I say that
I prize the latter gift most highly and
hope to treasure it as a souvenir when
your fame shall have increased a
hundred fold.

I expect to see you in Cal next
month, and to have the pleasure of forming
your personal acquaintance, and I want
to ask in advance, that you will spend
a portion of the time during your visit
with me in Cherokee.

I send by express a small package containing a specimen of gold and a Calé Diamond, which I beg you to accept as a token of my esteem.

They are both the product of Cherokee and the Diamond, although of little intrinsic worth, is valuable by reason of its extreme rarity in this country and therefore in both respects you will see by the crystallization of pure lower Carbon and will find it materially harder than the Cape stone.

The Danks of my native state have a deep rooted superstition, that an uncut gem is a talisman against evil or misfortune, and that it brings to its happy possessor good-luck, and success in all his ventures.

So I advise you to keep it in its present state and hope it may realize for you all its mystical good fortunes.

With kind regards

I am very respy Yours.

Louis Glass -

Dr. J. C. Calé
Diamond
Cherokee
Gold
specimen

written to: Mr. Donald Lawson JEHL
314 Livingston Street
Brooklyn, May 27 1880
N.Y.

Dear Sir

I have received
the book containing the de-
scription of Richards pump
and am very much ob-
liged for it.

I am sorry to say that
I could not come on
Wednesday or Thursday
as I was too busy.

My intention was to go
but Mr Edison wanted an
experiment finished which
prevented me from going.
I shall however bring some
lamps over some other time.

To Mr. G. Lawson

Yours Truly
Francis Jehl

Utica May 30

Dear Tom
Thanks for your
photo. It looks like old
times and I shall value
it highly. Hope to see
you some day Truly Yours
J. J. Haney

Western Electric Manufacturing Company, of Chicago,

Electro-Medical Department, Eastern Supply Depot.

Dr. T. CLELAND, Acorn.

38 Union Square

~~267-BROADWAY~~ NEW YORK.

June 7th 1880

W. A. Edison, Esq.,
Windsor Park.

Dear Sir: I have not yet learned regarding
the Duplicating Sub.

When you were in the office a
month or two ago you spoke of sending a man
over to make ~~them~~ for us. If you cannot furnish
us the formula, and if not convenient for you
to let your man come over here why not make
us up two or three gallons over at the park?

Come in and see our new
office when you are over. You'll like it.

Has Mac got back yet?
Let me know about the Sub soon. My
Sincerely yours

T. Cleland.

T. A. EDISON,

Menlo Park, N. J.,

June 14th

1880.

Mr. Stephenson

Brookview House

New York

All right - Come -

Edison

D. E.

LAW OFFICES OF J. KEARNY RICE,

No. 3 Masonic Hall,

New Brunswick, N. J., June 14 1850.

Wm. L. Clinton Esq

Dear Sir,

My dear Sir
I have the honor to say, that the
Judgment was for \$30 & Costs,
As he intends to appeal,
he must have a prothonotary
to be on the appeal Bond
which amount of the Bond
in the first term will
be \$40 — twice the amount
of the Judgment & Costs.

He must file

Her Road section has
been given today

~~W. H. H. H.~~

Philip Allen
69
Matthew Hancock

Before Charles A. Ford, J.P.
Justice of the Peace

W. H. H. H.
June 14, 1870

MADE IN THE UNITED STATES

T. A. EDISON,

Menlo Park, N. J., June 15 1880.

J. W. Rice,
Masonic Hall,
New Brunswick,
N. J.

Send blank appeal bond
in Hankins case for signature

Dalcaim

al. d. b.

Sent.

Patents and Sole Manufacturers of the
Silver-White Aluminum-Nickel
(Alu-Ni) Plating Solution.

NO ROYALTY.

Because of its excellence which may be ascertained
by so called agents. We ship direct and
guarantee against adulteration.

MANUFACTURERS OF

Metallic Aluminum,
Aluminum Alloys,
Nickel and its Salts, Etc.
Solders and Saws for Drilling
Nickel, Cobalt, Copper, Iron, Tin,
Bronze, Brass, Aluminum,
Platinum, Silver and
Gold ready to order.

QUANTITATIVE AND QUALITATIVE ASSAYS WILL
BE PROMPTLY ATTENDED TO.

WM. FRISHMUTH, } CHEMISTS.
H. B. VAN TRONK, }

PENNSYLVANIA NICKEL & ALUMINUM WORKS,
Cor. Rush and Amber Streets,

Philadelphia, Pa. June 18th 1880.

Dear Sir!

Will you have the
kindness and inform us by return
mail, when & where we or one of us
can have an interview with you
in reference of a very important
matter to your & our interest
please what day and our
Chemist Col. W. Frishmuth will
call & see you

We remain
very Respectfully,
Frishmuth & Van Tronk

OK

Wrote him June 18th
Asking you see
any time

FACTORY
22-24 Avenue de
PARIS.
23 Rue de la
OFFICES
LONDON,
27 Old Broad Street

Benjamin Caspary,
Importers of Clocks, Suits &c.
341 Broadway,
New York, N.Y. 10013

Thos a Edison Eng
Merrill Park N.Y.
Dear Sir

We have the following inquiries
from Berlin, Prussia:
"What is the name of the company
in New York, commissioned with
the sale of Edison incandescent
"patents."
"And has this Co agents, or
representatives in Europe, respectively
where?"

May we trouble you with the request
to give us the desired information
in order to report the same to
our correspondents? Your kind
reply will greatly oblige

Edison Telephone Co of
Europe Limited, in matters relating to Edison
Edison Light Co of Europe
other inventions, Edison Telephone
Yours very truly
Benjamin Caspary

EXECUTIVE OFFICE, Western Union Telegraph Company,
New York.NORVIN GREEN, President.
A. R. BREWER, Sec'y.

SUPERINTENDENT'S OFFICE.

DICTATED.

*Phla. June 24th 1880.**J. A. Edison, Esq.,
Menlo Park, N. J.**Dear Sir:**Yours of June 16th rec'd.**I have been very busy for
a few days past, and will
be for the next few days, af-
ter which I will take up the
matter referred to in your let-
ter.**Yours truly,
J. M. [Signature]
Supt.*

OFFICE OF

J. S. SLONAKER,

DEALER IN FRESH AND SALTED MEATS,

Lake Linden, Mich. Apr 29 1870.

Thos. A. Edison Esq

Menlo Park N.J. Dear Sir

Is this
as represented or is it some artful
sodge to catch the unwary? I am
a terrible sufferer with Rheumatism
& Neuralgia and would be willing to
pay almost anything to effect relief
and you would confer a favor by reply-
ing to this and give your idea of
your Pay form or if you can send
me any catalogue seeing forth its
merits I would like it

Yours truly
H. C. Sucko
To J. S. Slonaker

The medicine is improperly
adverted to cure Rheumatism
but it will relieve
facial neuralgia—

[ENCLOSURE]

EDISON'S
POLYFORM

J. & W. BROAD

GEN

WIZOZ

H

EDISON'S POLYFORM

is the result of a long series of experiments by the distinguished inventor, upon himself and others, to relieve the terrible suffering of neuritic pain. Under his name and guarantee it is offered to the public, with the assurance that it will relieve the excruciating pain of

Rheumatism,
Neuralgia,
Headaches.

Whichever testimony could be advanced than the certificate of Prof. Edison, who authenticates the publication of the following:

I declare that the preparation known as EDISON'S POLYFORM is most efficacious in Rheumatic and Painful Neuritic affections. THOMAS A. EDISON

Persons who have suffered of ever before relieved pain relief by using EDISON'S POLYFORM.

EDISON'S POLYFORM
PREPARED BY
MENLO PARK MANUFACTURING CO.
MENLO PARK, NEW YORK

SOLD BY APOTHECARIES AND DRUGGISTS

HALL

THE

2430 Redner Street,

Philadelphia, Pa., July 10, 1890.

Thomas W. Edison, Esq.,

Menlo Park, N. J.

Dear Sir:—You will please be kind
enough to excuse the liberty I take in
addressing you, but trust a perusal
of this note may form sufficient
apology. My husband, W. A. Seng-
ward, a journalist known to you
in former years while you were
acting as telegraph operator, (and
who while connected with
New Brunswick, Elizabeth,
(N. J.) New York, Boston,
Cincinnati and Chicago papers,
has made favorable and pleasant
mention of your inventions, and
personal interest) has re-
quested me to address you.
Mr. Sengward is suffering with
acute rheumatism, and his
affliction, and consequent
non-employment, having
placed us in very depressed
circumstances, — we are
without any resources what-
ever, and have five little
children dependent upon us, —
he has thought you might
be sufficiently charitably dis-
posed to extend us some slight
friendly aid. The smallest

your will be thankfully accepted,
God will bless you and yours
for any kindness bestowed, and
I can assure you that, when
Mr. Engardt has resumed
his journalistic duties, any
favor extended will be duly re-
membered and amply reciprocated. Trusting to your favor-
able and early consideration, I
remain,

Very Truly Yours,
Wm. Henry C. Engardt.

Wm Henry C Engardt
1874

Geo. B. Barker
wrote Prof. Pickering
July 7th

University of Penna.
Phila. July 14, 1888

My dear Edison, -

I have received a letter from Professor Pickering, Director of the Harvard College Observatory, saying that the American Association will spend the evening of Aug. 26th there and asking whether you would take an interest in lighting up that grounds with your electric light. I wrote him that I thought three or four arc lights would do better for outdoor illumination than your light. I told him however that I would write you on the matter. Please address him directly if you have anything to say.

I hope you will be able to go to the Boston meeting. I will not ask you to present any paper but I would like to have you

take one of those little magnets
that I saw the other day, and
run a few lamps from it. The
mellings will be held in the
mass. Just. Technology, and
they have plenty of steam power
right in the building. So you
could do that without any other
troubles.

Frank Thomson was very much
pleased with his visit. He says
he would widen your tracks if
he were you to the regular steam
track width, and he would close
the track straight down.

I believe that moving with my
family by the outside line to Boston
to get the pipe down there,
somewhere that our feet were for
a while. The weather was hot but
we all enjoyed the party. I'll
report you on the progress of
the work of the Boston & New York

SMALL AND

THE WESTERN UNION TELEGRAPH COMPANY.

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This message is an **UNRECORDED MESSAGE** and is delivered by request of the sender, under the conditions stated above.

A. N. BARNETT, Sec'y.

NORVIN GREEN, President.

Dated 6 188 0

Received at Edison July 15

To Edison

Neulo Park N.J.

READ THE NOTICE AT THE TOP.

Can I acquire your
polyform rights
for this country if
so write terms

M Moore
Glasgow

20 Glasgow St & Co
105 pm

WESTERN ELECTRIC MANUFACTURING CO.

CHICAGO,
220-222 NINETY STREET.62-66 NEW CHURCH STREET,
NEW YORK.

July 16, 1880

Sir:

Yesterday afternoon
Mr. Sequeador was severely
injured by jumping from a
train in New York. He was car-
ried to St. Michael's Hospital
where he now lies.

He had been out of work for
a month, and was going to
Newark in search of it. Being
unaware that the D. & W.R.R.
made but one stop in Newark
he allowed himself to be
carried past the station,
and it was in attempting to
get off that the accident oc-
curred.

Mr. Sequeador having no friends
and my means being limited

WESTERN ELECTRIC MANUFACTURING CO.

CHICAGO,
220-222 NINETY STREET.

62-66 NEW CHURCH STREET,

NEW YORK.

I have at his request written
this note to you.

Yours truly
John F. Kelly

Mr. Wm. L. Edison
Menlo Park, N. J.

T. A. EDISON,

Menlo Park, N. J., July 17 1880.

John W Lawson
Boulder
Colorado

Make no statement that
you represent me or have any
relations with me or I shall
stop your proceedings through
the newspapers there

TEH

T Edison

2. July 22nd 1880
1115
Seabright N.J. 22

Edison Meads Park.

Nothing yet from you regarding
Bankers time presses can you
send immediately to Maniton
Competent Engineer to examine
water power and report
requirements for immediately
opening Maniton road by
Electric system either water
or steam - I will provide
all expense reply here little
unwell to-day

Gowran

45 Paid

St A

(over)

G. E. Gouraud July 22/80

You spring the scheme
on me too suddenly
requires ~~to~~ ten or fifteen
days to get a man -
Banker is generally at
his office days

T. A. Edison
Collect

NY July 23/87

J. A. Edison Esq. Dear Sir, In aid
of the cause of science and art, would
our present ^{to} photograph
an illustration of your Electric
Locomotion works? would be prepared
to take larger pictures than those done
for the Graphic of your works at that time
two years ago, and would you
send specimens for your convenience

Respectfully

J. T. Holmes
234 Broadway
NY

UNITED STATES SECURITIES

Write Moore that I would not
for the world have poly form be brought out
due to Reporter's office to get rid of the annoyance
Consequent result of ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~
I am sorry I was ill at 9 o'clock
A. C. M. Co paid the word
compensation = ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~
all the very cable of yesterday
at the ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~ ~~consequence~~

Dear Sir,

On my return
here it occurred to me
that your Poly form could
be introduced into this
country with success, as
Neuralgia is a very pre-
valent affliction in England
& especially in Scotland.
I sent for a cable
asking on what terms I
could acquire the right

of it for Great Britain ^{Germany only} ~~but~~ ~~take~~
no less. ^{W. M. Moore} ^{a couple} ^{so}
I am sure
a position to send me the
formula & let me have
an exclusive right to it. I
would be willing to take it
up & be spending a fair
sum of money in advertising
& services. No doubt but
what a very large demand
could be created for it. I
would bear all the expenses
for obtaining such a share
in its profits as we might
arrange between us.

I hope all things
are going well at present

and the Electric Railway
doing its grade of 1. in 100
& the light still burning.

It is enlightening
our Scotch public a good
deal about you doing
since to return.

He feel a little
some down here on some points
connected with the Telephone
but these are matters in which
you individually had no hand
& no blame attached to you

It is a letter to day
from Johnson. He said
in the Arizona 21. Aug.

You have a good & true man
in him, & can trust him.

Kind regards to Mrs
Bachelm,
I am very truly
W. H. Moore

T. A. EPISON,

Menlo Park, N. J., July 26, 1880.

Received from J A Edison
through Wm Carman twelve
shares of Edison Telephone
Co (of Europe) stock

Ellen Adams

Newark July 28th
110 Bloomfield

Mr Carman

I received your
note & the twelve shares
all right & also if you
would oblige me by sending
25 dollars besides my
Telephone royalty that
will be a great obidgement
to me at this time as I
am short of money just
now

Ellen Adams

July 29

Oriental Hotel
Manhattan Beach L.I. 29

J. A. Edison
Col. Toward

Care Henry Hyde Equitable Life of N.Y.

Will be at Meeker's office Friday ^{but rest} and Monday of week ^{here} at Oriental Hotel. ^{Manhattan Beach} Come and spend Sunday here bring your wife and daughter. Answers

James H. Parker

Edison

THE WESTERN UNION TELEGRAPH COMPANY.

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This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. B. BREWSTER, Sec'y. NOBYN GREEN, President.

Date: Oriental Hotel Aug 0 30
Manhattan Beach L.I. 29

Received at to J. A. Edison

Have no answer to my telegram of yesterday come with your wife and daughter to Oriental Hotel Sat. afternoon to spend Sunday answer my my so I can secure you a room

J. H. Parker

31 5th Bm 6117

READ THE NOTICE AT THE TOP.

T. A. EDISON,

Menlo Park, N. J.,

(July 30)

1880.

J H Banker

Central Hotel

Manhattan

My wife will not come

I will be down Saturday

even soon

T A Edison

OFFICE OF

Eureka Lake & Duba Canal Co., Consolidated.

No. 65 PINE STREET.

New York, August 2nd 1880

All right anytime

Thomas A. Edison Esq.
Menlo Park N.J.

Dear Sir: On my return from a little vacation I found your esteemed favor of July 21st, and as unfavorable as the result of your investigation seems to have been, I would like anyhow in the interest of the company which I have the honor to represent, to ask the favor of calling upon you any day and hour which may suit your convenience between this and the 12th instant in order to ascertain if some opening may not be found which may lead to our mutual benefit -

Soliciting your kind answer
I remain Sir

Yours Very Truly

W. Woodruff
President

Blank No. 1.

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This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

NORVIN GREEN, President.

Dated Boston Mass Aug 4 1886

Received at Mt. Mansfield Park

To Thomas Edison

READ THE NOTICE AT THE TOP.
~~Copy~~ scheme is
~~received~~ we will
~~be~~ ~~sent~~ ~~it~~ ~~by~~ ~~day~~ ~~later~~ ~~than~~
W. M. McKenzie
Aug 4
1886

Blank No. 1.

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This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

NORVIN GREEN, President.

Dated Brooklyn NY Aug 5th 1886

Received at Mt Mansfield Park

To Mr Edison

READ THE NOTICE AT THE TOP.

Power of Italy desires
to see you on business
tomorrow - please answer
payable here...

Longworth Power
560 Livingston.

17/raide

12:30 Am.

all right

CR

MEMORANDUM.

30 Madison Street, New York, Aug. 5th 1880

M. A. Edison, Esq.

West Point, N. Y.

Dear Sir: Why don't you give me some information about that duplicating ink? Or don't you call a d - whether we sell it or not? I'm having continual calls for it and I can only furnish - Now do something quick, either give me the formula, or send a man here to make up a lot for me, or make me up five or six gal. there - or say out and out you don't care to have more of it. I'm getting a little of it.

Yours truly, N. Blount

Western Electric Manufacturing Company, of Chicago.

Electro-Medical Department, Eastern Supply Depot,

Dr. T. CLELAND, Agent.

38 Union Square

267 BROADWAY, NEW YORK, Aug. 7th 1870

P.A. Edison, Esq.,
Union Park,
N.Y.

Dear Sir: Your favor of the 5th is at hand
and contents noted.

I understand fully that Bliss won
paid you for the ink he had of you, but that is not the
point. I don't care for Bliss or the Western Electric in
the matter. I want to know what you will make
me two - five or ten gallons for and put it in
jugs so I can bottle and label it myself. I want
some of the ink in order to supply my customers. ^{and}
I either want you to make it or let me make it, that all.
It has nothing to do with Bliss or the Western Electric.

Please favor me with an answer im-
mediate and oblige

Yours
T. Cleland

P.S. If you will make it for me how soon can you
furnish some?

Leitch Neb. Aug 7, 1880
Editor Scribner,
"World's Work" Department,

Dear Sir,

Will you be kind enough
to inform me, if you
can, where the new metal
spoken of in your depart-
ment as 'Spence's metal'
in July, '80, can be
obtained? By doing
so you will confer
a favor.

Yours truly
Edwin L Childs

Johnson W. 17 1880

Office of
Novelty Rubber Company,

New Brunswick, N. J.

Salesroom, 43 Lispenard Street, New York.

Dr. T. A. Edison.

Aug. 9 - 1880.

Dear Sir,

Some time ago when I was at your
place I was told that I could borrow a couple of your
telephones for our own use - similar to the ones you loaned
our President, Dr. Meyer. Now I would like to run a
private wire from the factory up to my house - and
a branch at Mr. Hughes house - provided I can borrow
the three telephones from you. One for
one at Mr. H's house and one at my
house but like borrowing no three than
forget the one at Mr. H's house. I have also been trying
for some weeks to buy one bar P. A. wire about 30 lbs. of the
kind (but cost my less than a car load) which I want for
an experiment. I understand you are using such parts.

If you can spare one for me will you sell it? and
if you will please send it free by P. R. A. Mr. Hughes
wants or would like to have Mr. House send me the address
of the roller maker who made some wrought iron flanges
for you - as we are now in need of some of the flanges and
they are difficult to make. He gave Mr. Hughes the
address but he has lost it. Hoping that I am not taking
your time or good nature too much.

I am very respectfully yours
D. D. Williams
J. R. Co.

 The American Journal of Science and Arts,

JAMES D. & E. S. DANA, PROPRIETORS.

New Haven, Ct. Aug. 11th 1880

Dear Sir -

We are sorry to hear of
the deficiency in the 1st Series -
Our agent ~~has~~ located the volumes
was directed to go out the 10th & see
that all the volumes were there, he
evidently failed to do his duty. If
we do not find the volume tomorrow
we will send you another copy
unbound which you should care
carefully make uniform with the
rest - we will make good the
difference in cost of binding.
Regretting the trouble you have had -

Truly yours

J. D. Dana

~~EXECUTIVE NOTICE~~

Aug 13
Albemarle Fertilizer Company;

88 CEDAR STREET,

ALBERT SPEYERS,
President.

EDWIN M. FOX,

FRANCIS W. JACOBS,
Secretary.
Treasurer.

Promo New York, Aug 11 1880

My dear Edison;

The Albemarle
is having a wonderful success.
Boat load ^(200 tons @ 10¢ per ton) after boat load is
being ordered and it certainly
looks as though there were
fortunes in it. I haven't
as yet got any word from
you as to how it passed
out under your scientific
eye. Would you please let
me know by return mail
what you think of it, scientific
and practically as a business
undertaking? I propose to
be guided by your opinion.
How is the motor getting

along? Have you
organized the Company
yet? You want forget
the promise you made
me about the Motor?
With Fuelizer Electric light
and all the et ceteras
booming things are beginning
to look lively. If you think
well of Albemarle I will
let you have some of the
stock and carry it for
you ^{also} guaranteeing you
against loss in return for
your manifold favors to me.
Let me hear from you

Truly Edward M. Cox

Blank No. 1.

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A. J. BREWER, Secy.

NORVIN GREEN, President.

Dated New York Aug. 12th 1880

Received at Meals Park

To J. A. Edison

READ THE NOTICE AT THE TOP.

*Do not expect me
till Saturday have
written you why*

J. B. Eaton

is paid

mom old.

5.15 PM

M. Park Aug 17, 84

All right come any time

Present this card at
the office here -

Edison

— 4 —

Aug 17 80



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER

James J. Hanson
31 1/2 West 12th St
New York City
New York

Office of
Novelty Rubber Company,

New Brunswick, N. J.

Salesroom, 43 Lispenard Street, New York.

Aug 19 1880

Mr. B. A. Eason

Sir

I regret the fact about telephone wires.
The 16 lb rail will be too light & find and have
secured a 20 lb rail from the R. R. Co.

Yours respectfully

J. D. Williamson, Supt.
N. R. Co.

*Noted
and
replied
to
Aug 23rd*

*Prof. H. S. Parker
A. Aug 23rd '80*

American Association for the Advancement of Science.
OFFICE OF THE PERMANENT SECRETARY.

F. W. FOSTER, Permanent Secretary,
Office, East Building, Central St.
Amesbury, Aug. 21. 1880

My dear Edison:-

I examined the facilities for power at the Mass. Inst. Technology the other day when I was in Boston. They have a steam engine there which will be running and from which you can have any power up to ten horse. Will you not therefore make arrangements to come on to the meeting and bring that small machine of yours and run a dozen or 20 lamps with it? The large hall of the Institute where the meetings are held

is directly above the engine room
two stories. So that there will be
a fine chance to run wires up &
light up that hall. Professor
Ordway wondered if you could
not bring on two machines so as
to show transmission of power by
electricity. I will not ask you
to read any papers this time
but I am quite anxious to have
you come to the meeting because
I think you will have a good
time & your presence will help
the meeting. Moreover, Backus &
Upston will then come too I guess.
As I have heard nothing from
Keriffin I infer there is no electric
light block to be had.

Cordially yours

George F. Barker.

J. C. REIFF.

No. 52 BROADWAY.

New York, Sept 20th 1888

My dear Edison
I send you
herewith couple of Compressed
metal -

Please give it a careful test
for conductivity & let me know
result. Please
if you can test it for tensile
strength, & return it -

Have you read the printed
testimony I sent you?

Edison is due here by Arizona
any time after noon tomorrow.
I see Puskas & Sapostas, want
to buy every patent offered
in Europe.

J. C. Reiff

T. A. EDISON,

Menlo Park, N. J., *Aug 31* 1880.

T. A. Edison
Shall you be at
home this afternoon if I
will visit you

Sy. S. B. Eaton
346 Broadway
N.Y.

Answered
yes
T. A. E.

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A. B. STEWART, Secy.

NORVIN GREEN, President.

Dated *New York 31* 188 *0*

Received at *St. Edison*

M. Park

READ THE NOTICE AT THE TOP.
*Have received no ans.
to telegram consequently
will not visit you
today shall you be
at home tomorrow*

S. B. Eaton

18 paid $\frac{1}{2}$ 125pm

I cannot tell you yet
when the day will
be tried - will send
you word in time.
New Brunswick J. Rice
Sept 5th 1880 -

Prof we should not
if the original ^{steel}
also of ^{electrotype}
Burdoy ^{is in electrotype}
New York Sept 30 1890

Mr. Thos. B. Colson

Woods Park

Dr sir

I have seen lately
a steel plate portrait of
yourself - would you
be willing to have it
used in the "American
Portrait Gallery" with a
biographical sketch -
It would be no expense
to you - If the steel
plate could not be spared
for the purpose, a du-
plicate electrotype could
be made at a small ex-
pense; hoping to hear favor-
ably from you,
T. C. Butler.

[ENCLOSURE]

SUPPLEMENT.

TO BE COMPLETED IN TWENTY PARTS.

PART 55.
Supplement No. 15.

PRICE 25 CENTS.

THE
AMERICAN
Portrait
GALLERY.

With Biographical Sketches.

BY
LILLIAN C. BUTTRE.

NEW-YORK:
J. Q. BUTTRE, PUBLISHER.

COPYRIGHT WORK.—SOLD ONLY TO SUBSCRIBERS.

Brunswick Sept 6

Dear Mr. Edison

I expect
to be back at home next
Thursday morning. Mrs.
Apton has had a very
hard week but is now
showing signs of improvement.
I want to stay until there
can be no doubt as to her
recovery.

Yours Truly
Francis P. Apton

W. Sept 6/90
I.A. Hanna had the
pieces of metal tested yet
for conductivity?
Tell I. F. W. what mechanism
when he is coming in?
Yours
J. R.

✓ Sept 9. 80

Edison
Menlo Park

125 Am

① Perfectly preserved little
water from all, tasted
slightly alcoholic flavour
as if fermented try everything
my expence Gouraud

20 London

CABLE ADDRESS
"GOURAUD, LONDON."

6, Lombard Street, E.C. 4.
London, 11th Sept 1880

Thos A Edison Esq
Woburn Park
New Jersey

My Dear Edison

Vacuum Freezing. After opening the
fruit I cased you as follows:—

"Perfectly preserved little water
"from all tastes slightly alcoholic
"flavour as if fermented. By
"everything my expense"

which leaves but little to add except
that the results of the experiment so far
apparently conclusively shows there is
something in it.

What explains the fermentation you
will know better than I. I am particularly
anxious that you should send me
some fish and meat etc, some
Grouse & prairie Chicken some with
the feathers on and others with them off

Gold & Stock Telegraph Company,

P.O. Box 4185

George B. Prescott,
Vice President

Western Union Building,

New York, Sept 11th 1880

Friend Edison,

Miss Mimi Farris of Cologne
Germany, daughter of Professor Farris,
is desirous of obtaining your autograph
to place in a collection of celebrities which
she has made. If you will kindly write
it, or a note signed by you, I will for-
ward it to her and thereby confer a
favor which she will greatly appreciate.

Yours very truly
Geo. B. Prescott.

Witten
Get Card
will reply

Road water running
just after
light prohibit
I know it is an
alloy, but I should like
voluntarily to know
how it keeps for conducting
Especially whether it is inferior to
lead
When will the Road Engineer be ready again?
W. J. Keiff

T. A. EDISON,

Menlo Park, N. J., Sept-13 1880.

My dear Willson
519 7th St
Washington

Willson will meet Carl
Wortley on Wednesday
7 o'clock.

1
N.Y.C.

T. A. Edison

Sept 13. 80
1245-

Will go to Menlo tomorrow
to see you

D B Eaton

8 paid
K.C.

2 Boston 13

T. A. Edison

Next week to
Menlo very uncertain now
this week sure

Geo Goodyear

10 K.C.H.

ALBANY OFFICES
Albany Fertilizer Company,
88 CEDAR STREET,

ALBERT SPEYERS,
President.

EDWIN M. FOX,
Secretary.

FRANCIS W. COBB,
Treasurer.

file New York, Sept 13 1880
My dear Edison:

I want I
prevail on you to let the "lights
of the future" shine apace
long enough for you to give
a few minutes thought
to "Albemarle." Your opinion
as a scientist will guide
me to the extent of thousands
of dollars.

I haven't as yet heard
a word from Dr. Moses, your
Chemist who promised in
his spare moment to give
me his analysis of the fer-
tilizer. The stock of the
Co. has recently become very

strong and the Corporation
is becoming closer and
closer. The material
is selling like hot cakes
and the farmers and
horticulturalists are
getting wild over it.

But we need the kind
of directors who probably
put up the price of the
Treasury stock to double
the present figures. If
you want to make a few
thousand, I'll reserve some
for you and guarantee you
against loss. Being on the
way inside, I know it is a
badanza.

Please let me hear
from you. I'll be to the
North
Wm. E. Jones

Left

(Sept. 14, 1902)

Dear Mr. I have written
you the enclosed
officially. I enclose
the label for the
box of models.

I showed very
much like a working
electric Pen - now I
have the original - &
please do not forget
two working telephones.

Looking forward
to seeing you again.

I am
very faithfully
yours

J. Stewart Kelley

Mr. My Sept 14 50
Howard Wortley
Kansas

THE WESTERN UNION TELEGRAPH COMPANY.

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This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BREWSTER, Sec'y. 5 NORVIN GREEN, President.

Dated New York 15 188

Received at St. Edison

Minulo Park

My wife and self
Coming thru train
as earlier arranged
Colonel Stuart
courtesy
10 paid Ki
x

READ THE NOTICE AT THE TOP.

m

Boston Sept 15, 1880

Col. Chas. Lewis

110 ans

Boston. Sept. 15-1880

Friend Colson

Dear Sir -

Boston

Celebrate etc 250 Anniversary
Tracing of the creek - to Ann
Stoughton at Holid Wellby
fifteen mile from Boston -
owned by the Executive
Baker. formerly of the firm
Loring & Baker. Sewing machine
Manufactures - This morning
as I was eating my breakfast
he came to my table and
brought me to Anne his
invitation to join which I
accept - his firm has
cost a million dollars
and is a great benefit to you

would think him crazy by
his letter. but he is immensely
wealthy and seems to mind
you should visit his place
& hope you will come and
stay a few days bring your
family if you conclude to
come telegraph me and I
will be at the depot to
meet you. I have but a
moment to write before
leaving my train so cannot
write more than

The Governor of the State
of Mass and many
dignitaries are to be
at the fair. for one
day I think you would
enjoy it also Mrs Edison

Respectfully

Chas. H. Davis

T. A. EDISON,

Menlo Park, N. J., (Sept. 15) 1880.

Col Stuart Wortley

Earles Hotel

Ny

~~Dear Sir~~ Come over Monday
any time will talk over the
matter

Edison

9

Earles Hotel

Sept 19.

My dear Sir,

I rec your telegram
just after posting my letter.
I will come by the
3 p.m. train tomorrow when I shall
hope to find you in England.
Very faithfully,
Stuart Wortley

Earle's Hall

Sept 21.

My dear Sir,

Bergman
cannot get these read
writing on therefore
Kindly get Mr. Stinson
to sign a letter to
the London agents
who will give them
in there.

I hope the
phonograph has
been sent off on
Saturday

Yours faithfully
A. H. W. W. W.

T. A. EDISON,

Menlo Park, N. J., 1880.

J. Bergmann Esq
166 Wooster St.
New York.

Dear Sir:

Oblige me by letting Colonel
Stuart Wortley have two cinematographic
telephones of the finest pattern and
style of ornamentation.

Sincerely yours,
Thos A Edison.

P.S. He desires them for exhibition at
the South Kensington Museum London

NY Sept 21 1911
H Street, Wootley
No. 100

for the purpose of
and proceeds to be sold

Earle's Hill
Sept 22

My dear Sir
Many thanks for your
letter - with you kindly
send me a letter of introduction
to Colonel Goron, I should like
him to come & see the Museum
& its present light. Please
send it by return if not as I
leave Saturday ^{very sincerely} ~~Yours~~
H. Charlesworth

Grub and this

Friend Hyatt

J. W. HYATT,
177 COMMERCE ST.
NEWARK, N.J.

Sept 22 '00
Will very sorry but must get time to play
must get out of the woods I ain't
P. O. Box 200
many thanks

We (The Cellin's)
intend taking a day of
recreation, Tuesday or
Wednesday next. We
have engaged the "Cyclops"
a first class ocean tug, for
the purpose, & will probably
go up the Hudson, or via
the Sound.

We shall number with
our friends, from 50 to 100,
and we should be par-
ticularly glad to have
you go with us.

"All work & no play is"

Please favor me with a reply.

Will let you know time and
place of starting from Newark,
& can meet you at a N.Y.

Yours

Very truly
J. W. Hyatt

J. W. Hyatt

Bancroft and English.

New Jersey Democratic State Central Committee.

ROOMS 7, 8 AND 9, HOTEL HUDSON

P. O. BOX A.

^{Senator}
JAMES H. HATHORN, Chairman.
H. P. WYCKES, Secretary.

Jersey City, N. J., Sept 22 1880.

Write Thos. A. Edison. E.
Thank him for his trouble My Dear Sir.

Yours of the 20th inst.
was recd this morning. In reply
I beg leave to say that I am not certain
any copies can be obtained until the
new publication recently ordered is
printed. I have written however to
Clarence King, Director with the request
that copies be forwarded to you without
delay. In case it be not done, I will
see to it personally on my next visit
to Washington.

Wm. J. P. Roper
Thos. A. Edison

Sept 25th 80.

My dear

Our little affair has been arranged for Wednesday
the 29th inst. via the 7:36 AM train from Broad St
& boat "Robt. Robinson" at ferry slip Jersey City
which is chartered to take us to the "Cold Spring
House", Cold Spring Harbor L. I. where dinner &c
will be eagerly awaiting us. Should the
weather appear too inclement we will be
taken at the Broad St station before starting.
You are at liberty to bring a friend along
Yours &c

Orlando Inauen } Committee
J. B. Edison } of

To Prof. J. A. Edison

Munlo Park

P.S. Please state by postal your acceptance -
that we may know number, ring - and
also state time of your arrival in Jersey City
& Mr. Will call for you at the Penn. R.R. slip
between 8 & 8:30 AM. Yrs truly &c

J. B. Jackson



Original proof back
 Say O. B. with the
 all right Oct 29 1880
 Wm. D. A. Edwin
 New York
 N.Y.

Dear Sir -

Enclosed

please find first proof
 proof - of sketch for
 the American Portrait Gallery.
 It just makes our
 two pages - although a
 line or two might be
 added if needed - or
 if any part is wanted
 out - other matter to the
 same extent could
 be substituted - If however
 it is right - telegraph
 to that effect and it
 may save me a days
 time in getting it out
 Wm. D. A. Edwin

(Oct. 2 '80)

Geo Ruskaas
 Ruskaas & Laportas
 2 Nassau St

Upton gone away
 L. B. C.

3/7/81

Copied

T. A. EDISON.

Menlo Park, N. J., Oct 6 1880.

J. H. Griffin
of Drexel Morgan &
23 Wall St

NY
Please bring Bank Book

J. C. Edison

m

NYPD 1280
Walcott
Aditok

Tulameoffice, N.Y., Oct/2.

My Dear Edison:-

Very sorry you did not
come in last evening, for we all
had a first-rate time. Where-
ever you can see an evening
ahead, let me know, and I
shall be most glad to send
you seats, - or retain them
for you at the box office. I feel
under very great obligations
to you, & I want to see you
face to face in my audience.

St. Johnson says you have
good chestnuts at them. If
we can have a fair show at
that sort of game we would
like exceedingly to run out

Shunday & back, - provided
that there is a convenient train
both ways on that goodly day.
Will you please ask John
Dun or Griffin to drop me
a note of advice on the subject
of "shelton's".

Yours as ever
V. A. Coffin.

2. New York Oct 13

J. A. Edison

Windsor Park N.Y.

Edison is at home & it
is entirely convenient Mrs
Lowrey & I will go out
this afternoon & spend the
night answer J. P. Lowrey
22 & N. Ave

Windsor Park N.Y. Oct 13/1890
J. P. Lowrey
Dupont Building
New York

It is entirely convenient
I shall be glad to see you

Edison

100th Ave & N.Y.

Oct-13 1880

My 13.

Thos A Eason

Self and wife will be
at your place between
12 & 1

Pom Maguire

12 Paid
Kelly

EXECUTIVE OFFICES

→*ALBEMARLE FERTILIZER COMPANY,*←

17
53 CEDAR STREET,

ALBERT STEVENS, Pres.
EDWIN M. FOX, Secretary.
FRANCIS W. JACOBS, Treas.

New York, Oct 14 1888

^{Personal}
My dear Edison:

I want to see you
about a matter of business connected
with this Co. involving an immense
fortune that can be obtained
by you and me jointly. I would
do it gladly about it but the
true state of affairs can only be
seen here. Will you therefore
come to New York on Saturday?

I know your aversion to
coming to town but this is a
matter of great moment as you
will quickly see when you learn
the facts and I assure you
you will not regret it. I have

only just returned from our
property and it is the
knowledge I received up
there, (known only to myself)
that causes me to seek
this Conference. This is a
greater thing than the "light."
and I repeat you will not
regret coming here.

After our business talks
if agreeable, I would like
you to come with me at my
new house and then go to
the Theatre with me to see Andromeda
or whatever play you like.

Please now, my dear Susan
don't let your work interfere, but
come. Telegraph me in receipt
of this, as I want to telegraph
to my Superintendent at the
property (300 miles from here) to come
down, so that he may meet us

W. H. C. 150
10/10/70

with necessary data.
This is an opportunity that occurs
only once in a life time. Alone I am
powerless but with your aid, we can
have the greatest industry in our pulp
industrially wise. Please therefore come
and telegraph me on receipt of this the time
of your arrival.

Yours truly
Wm. M. Fox

COPY.

Patent Office Museum,
South Kensington,
London, S.W.

Oct. 16, 1880.

Dear Mr. Lack.

I have the honor to report to you my return from my sea voyage.

I beg you will thank the Master of the Rolls, and accept my thanks yourself for the favour accorded me, and which has in the Doctor's opinion resulted in much benefit to my health.

You will remember that I wrote to you from Sydney telling you it was my wish if possible to return by way of the United States as I felt it to be my duty if possible to visit Washington, and obtain as much information as possible both as to the Patent Museum there as well as with regard to the general working of the United States Patent Laws.

I was received there with great courtesy by the Commissioner of Patents, and was allowed to visit and sit in each of the Examiner's rooms in turn and by watching the mode of examination &c.&c. to make myself thoroughly acquainted with the working of the Patent Laws. Should you wish it, I will make you a special report of my views on the American Patent Laws.

I deemed it also my duty while in America to try and obtain some models of value, and such as would tend to increase the importance of the collection belonging to the Commissioners of Patents. To this end I spent two afternoons with Mr. Edison the eminent electrician and am glad to report his presentation of some very valuable original models of his various inventions.

/I

HGL

I forward herewith a list of the various models of interest I was able to obtain for the Museum during my visit to the United States.

I may mention also that while at San Francisco I visited the Mechanical Institute to which I was aware you had sent a complete set of specifications &c. in order to see if they were accessible to the public and freely used.

They are very easily accessible, are taken great care of, and are very much used - all which I saw by going in as a stranger before mentioning my name.

I shall hope the Master of the Rolls will visit the Museum soon and see these new acquisitions, those given by Mr. Edison being of great interest.

I am, dear Mr. Lack,

Very faithfully yours,

H. STUART WORTLEY.

*True copy
W. H. Lyon
6 Jan. 1926*

List of Exhibits brought by Col. Wortley from the United States in 1880.

Oct. 19, 1880.

List of Models &c. brought from the United States by Colonel Stuart Wortley, and of some that are being prepared and are to follow:-

Original Electric Pen invented by Edison

Original Phonograph " " "

Original Telephone " " "

Original Tasimeter " " "

Improved " " " " and
used by him at the Transit of Venus.

Original constant printing Telegraph Instrument by Edison.

Original Electric Lamp, of the kind which is to be the Electric Light of the future.

Patent Lantern constructed to burn in the open air and used by the U.S. Light House board to light the shores of the navigable rivers.

Patent Bell Buoy to ring a bell with the very slightest motion of the waves, adopted on Coasts by the United States Government.

Sectional models of the well known Patent Magazine Rifles for joining 16 or more shots without reloading -

The Winchester
The Hodgkies
The Remington.

One of the latest improved Patent Type writing machines.

Two Patent Revolving Bookstands. (These are of full size and will be used in our Library).

Patent

Patent small letter weighing machine - as used in the
United States Post offices.

The Eagle Automatic Pencil.

Patent book for holding newspapers &c:

The above are all patented here as well as America -
Besides the above which I collected and brought with
me, others are to follow which I will duly report on
when they arrive.

(Sgd.) H. STUART WORTLEY.

H.S.W.

VALUABLE MODELS. PLEASE HANDLE CAREFULLY.

On Her Majesty's Service.

Colonel STUART WORTLEY,
THE PATENT MUSEUM,
South Kensington,
LONDON.

(Form No. 18 11.)

THE DIRECT U. S. CABLE CO., Limited.

In connection with the Atlantic & Pacific and Franklin Telegraph
Companies in the United States, and the Dominion Telegraph
Company in Canada.

16 BROAD STREET, NEW YORK, 18th Oct 1880

REGISTRATION OF CABLE ADDRESSES.

Dr. Thomas Alva Edison Esq
Menlo Park

DEAR SIR:

We beg to inform you that you will
receive Telegrams by this Company's Cable from

Howard Esq London

under the registered address of

"Roside" Menlo Park

and in cabling to this firm please address your
telegrams to

"Roside" London

As the above Reversible Register identifies the
sender, the signature becomes superfluous, and the
cost of the address is reduced to the rate of two
words.

Very respectfully,

Geo G Ward
Superintendent *gwm*

✓ My Oct 20 50
J. M. Fox
1/2 hours

EXECUTIVE OFFICES

ALBEMARLE FERTILIZER COMPANY

50 ORDAIR STREET,

ALBERT SHEYERS, Pres't.
EDWIN M. FOX, SECRETARY,
FRANCIS W. JACOBS, TREAS.

New York, Oct 20 1880

Dear Mr. Edison

I wrote you
a letter five days ago
wanting to see you on
some urgent business of
mutual interest but have
received no reply.

Did you receive the
letter? Since writing I
have made arrangements for
part of the undertaking to
which I referred but it seems
that be of much importance
for me to see you in New York.

Do you expect to be here
within a few days? If not

please let me know
and I will try and
get to Meulo

Ameygins

Edwin M. Fox

T. Ardson Esq
Meulo Park
N. J.

11/8/80

Prof. ^{Dr. Draper} ~~Draper~~

3909 Locust St.

Philadelphia Oct. 29, 1880.

My dear Edison:—

You may remember that when I was in Menlo Park the last of July, I spoke to you about furnishing enough of your lamps to Dr. Draper to enable him to light up his new laboratory on the occasion of a reception which he gives to the National Academy of Sciences, in New York on the 17th of November. I understood you to say that you would have a plenty of lamps by that time and that you would fix him up in good shape. As the time of the meeting is now approaching

he writes me to know what we can count upon, so that in case you can do nothing for him, he can provide some other novelty. If you can give him the lamps, I hope you will go over beforehand and see the room and suggest the best plan for lighting it. He has there a 4 H.P. gas engine, a Gramme machine and a Weston machine. He is coming over here tomorrow to spend the Sunday with me, to see how my new 7 H.P. gas engine runs my Gramme machine. Please telegraph me some time tomorrow what you can do for him.

By the way, why can't you come over tomorrow (Saturday) afternoon and spend Sunday with us. You would be interested

to see what my Gramme machine would do. Then I have a lot of Crookes' tubes which I am going to show, which are very fine. Then too Sawyer is running his lights down town lighting up the Mercantile Library building. This I know you would like to see. The Thomson-Houston dynamo-machine is running near here; and they say that that is the best machine yet; of course always excepting your own. Come and spend the Sunday quietly at my house and we three will have a good time somehow. If you can bring Mrs. Edison along so much the better. Mrs. Barker will be very glad to see her.

I have been experimenting with Abraham Bell's photophone. It is

really a remarkable thing. I am now making one of his selenium cells and if it works well, I intend to show it at Dr. Graper's on the 17th. Mr. Bell talked to me in Boston across the square on a beam of sunlight, and the articulation was very good. We cannot see now that it can have as extended applications as the telephone; but that is a matter for the future.

What progress are you making at Menlo? I expected that you would make that grand demonstration before this time. Have you received yet the high speed engine from here? I see you are forming companies in Europe, so I suppose things are yet marching on.

Yours truly,
George F. Barker.

How Frayser
Oct. 31. 77
miscellaneous
letters

15th Victoria Street
Leamington
Oct. 31. 1877.

To J. A. Colson Esq

Dear Sir

I beg to acknowledge the receipt
of your answer to my first letter and to
thank you. Some time in January next
I propose a tour towards the end of that mo-
nth. I shall give a similar lecture
to the one I gave at the British Geo-
logical Institute on the 16th ult. to
the Birmingham Literary and
Scientific Institute. Any information
you may forward either technical
or commercial tending to show its im-
portance or the audience it may have

already taken or expected to take in
future (your telephone) will

Obeys yours very respectfully
Thomas P. Rogers

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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A. R. SHELWEN, Secy.

NORVIN GREEN, President.

Dated New York Nov 1st 1880

Received at MENLO PARK N.Y

To Thos A Edison

READ THE NOTICE AT THE TOP.

I will come out tonight on seven o'clock train for Lantern Experiments-

A. R. Burbank
Lotto Club.

14 paid.

1170

3909 Locust St.
Phila. Nov. 9. 1880.

My dear Edison. -

I found your telegram here on my return from New York Sunday night. I am sorry you refuse to allow Draper a few of your lamps to show at his reception. He is a good fellow and I feel hurt myself to have him snubbed in this way. So far as he is concerned, the reception will not suffer. He has several other things to show which will be very interesting. And as to lamps, he has been offered some of Maximo, which being of low resistance (30 ohms) will be easily run by his engine.

Truly yours
George S. Parker.

Brockton Nov 16/84

D. L. Griffin Esq

Dr Griffin

The W. U. folks
have slaughtered me after
a service of 18 years. I am
at present unemployed
and lean on you for
a position as Clerk in
your new Company. I
really need a situation
and shall not differ as to
Salary. Doubtless you
remember our partnership
in St. Louis "A. Office" in
'63 when you left for
New Orleans - I am poor
now but respectable.

Please answer.

J. M. Guiney
255 W. 7th St. Brockton

over

Should ^{you} have any share
for me and manifest
a desire to assist a
described I shall pass
you a friendly visit
Day Saturday of this
week

Yours
J. M.

of 11 Nov 75
Patience Novice
do

New York Nov. 27th 1880

J. A. Edison Esq. Working Night

Dear Sir I day haven't a

I enclosed a ^{number to 2 page} ~~program~~ ^{but omitted to say} programme
of the regular subject, at the ^{to 50 if possible} ~~of the~~ ^{of the} ~~of the~~
me. He will esteem it a great
favor if you will consent to
be here some evening and to take
part by opening the discussion. If
you can do so will you designate
a brief title by which I can
announce it in the next issue of
the programme

Yours oblige
Wm. S. Stearns
President

P.S. I would like to put you down for Dec
16 but Briggs has just told me he will have
to be across
W.S.

E Mr Galt
Dec 1

The Map

EXECUTIVE OFFICES

ALBEMARLE FERTILIZER COMPANY,

88 CEDAR STREET,

ALBERT SPEYERS, Pres't.
HOWEN M. FOX, Secretary,
FRANCIS W. JACOBS, Treasr.

New York, Dec 1 1886

Dear Edison

I wrote you a week ago in reference to the five shares of Ore Milling in which I paid you \$200 but have received no reply.

I know you are extremely occupied with things electrical (not to speak of things historic in re the Divine Rebarbarof) and small matters go unnoticed but money is awfully precious to me just now. I started out to raise \$20,000 by the 7th of December and I am within speaking distance of that handsome sum ^{and have}

Dollar that is raisable, I am
making Herculean efforts to raise
for unless the whole amount
is forthcoming on the appointed
day, I lose an option that
means a fortune. If therefore
you could let me have the
\$200 ~~it~~ it would be not
an inconsiderable help.

As for the 5 shares of
Osh. I will take it or not
just as you desire by the
1st of January as then I
shall be in large funds

Allemande is booming
thousands of tons are being
sold and the stock is rapidly
increasing in value.

Please let me hear
from you by return mail

Yours truly
E. D. D.

Blank No. 1.

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A. R. BREWSTER, Sec'y.

NORVIN GREEN, President.

Dated New York Dec 1st 1880

Received at MENLO PARK N.J.

To J. L. Griffin

READ THE NOTICE AT THE TOP.

Tracy Edison says
tell Edison he and
Crompton come to this
train today.

Yours
Carran

13/20

Blank No. 1.

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A. R. BREWSTER, Sec'y.

NORVIN GREEN, President.

Dated New York Dec 1st 1880

Received at MENLO PARK N.J.

To J. A. Edison

READ THE NOTICE AT THE TOP.

yes three o'clock
just as well.

A.R.G.

6 D.H.

Dec 1. 80⁵
~~1.80~~

W.H. Painter

C/o Hamt Monroe
60 Broadway
NY

My interest
Edition

25th

SCIENTIFIC AND MEDICAL BOOKS,
MINERALS, SHELLS, FOSSILS, BIRDS, EGGS, &c.

—AND SELL BY—
A. E. FOOTE, M. D.

Prof. Med. and Chem., Fellow Am. Ass'n Adv. Science, Life
Member Soc. Natural Hist., N. Y., and
Fishes' Academy Natural Science.

1222 BROADWAY, N. Y. — PHILADELPHIA.

Books may be seen Illustrated
NATURALLY DRAWN HOUS and MONTHLY ILLUSTRATED,
and free.

12-2-1880.
Prof. T. A. Edison

Dear Sir:

Will you be so
kind as to remit the small balance
due me which is \$3.32, as I have
been making large purchases and
am in need of funds.

I have purchased large collections of
Dr. Fitch's and his library which
is, I believe, the best Entomological
Library in the United States.

With these remarks
I remain yours
A. E. Foote

✓ Romely Dec 3rd 80
J. Springer
Dec 7

Paris Dec 2^d 1880

J. A. Edison
Dear Sr.

I am aware that your characteristic modesty will not permit you to speak of and for yourself, in fact I could see no occasion for it if you did, for your works speak sufficiently loud for you without that, but will you allow me to beg a small favor of you nevertheless?

While traveling in Europe and showing the phonograph, I found that the most interesting part of my entertainments were the short biographical sketches of the inventor. The material was rather meagre 'tis true; but acceptable still,

now I find in this my new
"Home" ("The Penny South") that
Mr Edison is hardly so well
known as he was in France
and Germany, while I traveled
there and as I am about
preparing a lecture on Edison
& his inventions, I presume
upon the courtesy to ask you
whether you could not without
sacrificing your time or con-
venience, point me to some printed
sketch of your life from which
to cull some reliable data on
the subjects —

If you will so far favor me,
you may rest assured of my
most lasting gratitude and
will at the same time contri-
bute in a great measure, to
the information of the people of
this section of our Union

on a subject which interests the
whole civilized world

May I count upon your kind
compliances?

Yours, with the best wishes,
for your triumph in science,

J. J. Sprenger

O.K.B. I see by the papers that
you propose to give an exhibition
of your perfected light system,
which I could spend another
evening, at Menlo as happy as
the one I spent there on Dec 31 last.

J. J.

Address

J. J. Sprenger
Rome Ga

my Dear 10/10/10
Dear F.R. I began my testimony
in telephone case today.
I had not seen you or any
other, but as far as I recall, Smith
says my memory is singularly
like yours. Special Ed. on boat,
Nicholson on Quad - was other
on telephone, English man speaking Bell
the other side of the line.

Buffalo, N.Y. Dec 11th 58

My dear Professor -

Dare I make an appeal to you for assistance? Or is there a spot in your memory sufficiently green to call up any recollection of the subscriber.

If all I hear is true you have reached the top of the ladder financially as well as scientifically. While I, the least significant of the Eater race Chauncey at Boston tree, am still working fifteen hours a day trying to pay debts contracted when I squandered and

2

You experimented. All I ask of you, my Quondam friend, is to read this thro' patiently & favor me with a reply and if you will lend me once more a helping hand I will try by future actions to show you that I have some appreciation of kindnesses shown me -

I have been working here in Buffalo for the past four years and devoting about one third of my income to the payment of old debts.

I have in the meantime, with my usual good management run behind here and now when I

Have, probably the only opportunity I ever will have to better myself. I can't get away from here because of this being behind - I have an opportunity to go to Washington at a salary of over \$100 per month and need \$100 - to make the change

Will you repeat the kindness you did me ten years ago, with probably a better prospect of repayment, and loan me \$100. for five or six months?

The climate here has worn 50 pounds off of me

in the past four years & my wife has had pleurisy & pneumonia every winter. I would like to go to Washn. as a matter of health as well as wealth, but can't make the move for causes mentioned above -

Will you help me Tom? If yes drop me a line, if no, put this letter in the fire & say nothing about it -

I would like to go in two weeks & if you will do anything for me will go thro' your place & explain what my prospects are -

3
The position I can get in
Washington is one to be
vacated by Charlie Cottrell
on the Cincinnati Gazette
private wire — Enclose
Cato's letter, which please
return

Yours truly
John E. Clarke
W. U. Tel. Co.
Buffalo, N. Y.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company's telegrams and messages receive only on condition, binding in honor, which have been accepted by the sender of the following message, to the sending station for completion, provided the station is ready by receiving a message, and the Company will not hold itself liable for errors or omissions in transmission or delivery of telegrams or messages if an unexpressed message and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

Date: New York Dec 13th 1882

Received at MENLO PARK N J

To J. A. Edison

READ THE NOTICE AT THE TOP.

Will go out by
Four thirty train.
Can you have a
carriage for Miss
Lowrey at station

L. P. Lowrey
17 D.H.

L. P. Lowrey Dec 13th 1886
3 Broad St
N. Y.

Will have carriage
there
J. A. Edison

Copied

NY Dec 14. 1880
W. H. P. R.
G. Dec 15. 1880

UNIVERSITY CLUB.
370 FIFTH AVENUE

14th December
1880.

Dear Mr. Edison,

I am
again in this part of the
World & I have spent the
last 3 months in
travelling some parts of
the Great West where
I had the pleasure of
making your acquaintance
in 1878. I purpose
taking home in the
course

Course of a few days.
Before sailing for England
I should like to pay the
Visit to Meads Park
which I promised to do
when I was last on this
Continent. Would it be
convenient for you to
see me on Thursday?
It is the only day not
~~completely~~ filled with
engagements. Kindly
send your reply to the
Koffman House
Madison Square, New
York City - I believe me to be
entirely your W. Fraser Rae.

John H. Paton
Governor H. Lowry
Gen. Walter Stern
Chas. Francis Stone
Geo. S. Hamilton
Wm. L. Porter

P. O. Box 1836.

Porter, Lowrey, Stern & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St., New York.

Dec. 18th

1880

My dear Mr. Griffin
Please send us as soon as possible the original certificates of incorporation of the Edison Ore Milling Company and of the Edison Telephone Company of Europe

Very truly

Randolph Murray

John R. Foster.
Governor H. Lowrey.
Gen. Miles Stone.
Chas. Francis Stone.
Gen. S. Hamilton.
Wm. L. Foster.

P. O. Box 1836.

Porter, Lowrey, Stone & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St., New York.

Sept. 18. 1890.

Dear Mr. G. I wrote nearly a week
ago to office of C. B. for the original
Certificate of the full organization of
the meeting of Ex. Telephone Company
beginning September 8. 1889, and
May 14. 1889. There had no any
Records.

I want them, if they are in
Company's files at once.

Yours
Y. G. G.

I find that copy of the Telephone Co
was sent to Hamilton. (from my books.)
May 15. 89. I have no doubt the
other was also sent to C. B. about the
same account. Send them to me, please.

A.

It is made by
the same kind of mud
to run and from
the same

Rockville, Dakota Territory Dec 20th 1886

Edison Esq

Dear Sir

Last July I spent
one day with you and had the pleasure of riding
on your Railroad. I write this to find out what
you have done and whether you have made the
trial you spoke of for the Penn Central Co. If
so will you let me know what your "Motor" will
do in the way of hauling freight. Also if you have
any Apparatus or Machine for dry place ground.
I have plenty of ground that pays 30 cts to the yard
but no water nearer than 4 or 5 miles. You spoke of
making a Machine for that purpose. Have you done so
We have thousands of acres of good paying ground
but no water. I hope I am not asking too much for
a reply. With best regards to Mr Laughlin

I remain Dear Sir

Very Respectfully

Rockville
Dunsmuir Co
Dakota Territory.

Wm A. Under

CABLE ADDRESS
"GOLIBRO, LONDON."

6, Lombard Street, E.C. 4
London Dec 21st 1889

S. A. Brown Esq,
Manila Park
New Jersey
U.S.A.

File

Dear Sir
Megaphone.

Pray, Pray, Pray, have this shipped
without delay! as kindly offered and
add to the many obligations, -
Yours Sincerely

[Handwritten signature]

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been assumed by the sender of the following message.

If you have a special order or require a message back in the sending direction for comparison, and the Company will not bill itself herefor, the sender or delay in transmission or delivery of telegraphed messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BIRNBERG, Sec'y.

NORVIN GREEN, President.

Dated New York Dec 22 1880

Received at Mt.

To Stretchon L. Geiffin

READ THE NOTICE AT THE TOP.

*Come to signs as
Commission without delay*

P.L.S.S. file

paid

file

37

John H. Porter.
Cassius E. Leary.
Geo. Walter Stone.
Chas. Francis Stone.
Geo. S. Hamlin.
Wm. L. Porter.

P. O. Box 1836.

Porter, Leary, Stone & Stone.

Attorneys & Counsellors at Law.

No. 3 Broadway, New York.

Dec 3/88

1888

My dear Edison

I wish you this year
a happy "New Year" + great increase of
power + fortune.

In respect to the financial necessi-
ty which you spoke to Fabrie + me, do
not give yourself uneasiness. They must
will be provided for by your friends in
a proper way, that is, so as not to give
you trouble of any sort.

Trouble wished me to speak to you
about your having (as he understood)
allowed American business here
on your premises. He thinks you ought
not to do so being a W. L. soldier.

He asked me to say so to you
+ I promised but have forgotten it
when I have seen you - Therefore
I write now.

If by any chance you make a call
in town on New Year's comes pass my
wife at the Victoria Hotel cor

27th Dec 1898. Tell Mrs Edison
I have gone back on my advice to
her & have gone to a Hotel - But
it was necessary to be in town & I could
not get any other place now

Yours truly
J. T. Honey

Ms. A. 9.2
Dec 27 1898
J. T. Honey

Tarif to Mexico

City # 365 + 540 ^{10 weeks} ^{every additional}

from Brownsville Tex

Hy

Fredrick Beardsloe
City Mexico

How is Laura getting
along will she
reappear

Edison

8 pm

V. F. BUTLER,
No. 1, MERCADERES
HABANA

Thomas A. Edison, Mexico.

My dear Edison, I send you some good documents by mail, also enclosed some notes from the secretaries of both companies which I hope will interest you. The earthquake as you may perceive has spared me, no doubt with the object of assisting you; - The Herald's account is the greatest humbug & exaggeration you ever saw in any paper, in Habana we experienced three or four shocks but slight, however in Guitta Abajo the shocks were sufficiently strong to shake down some houses. Padre Vives our great Natural Philosopher here traces it to subterranean communication between Cuba & Central America -

I met a very interesting person who made an excursion in your favorite Mt Columbia, esp. the "Atrato" remained seven months, at Quibilda & Novita, he returned with 40000 of Gold & Platinum he calculated his platinum at about \$20. per lb. he was 45 days going up the river & 6 days returning he describes the country as the worst in the

World climate terrible rains in torrents every day
from, Malana... & the dense jungle full of every
wild beast & snake that is trying to man the
country one vast swamp so that it is really a
land without any land - Population Negroes &
Indians. No Whites - rivers full of gold, which
the natives only look for when they require
to purchase for d. etc. - there is no food produced
or domestic animals. The animals at Kivita
were one donkey & few fowls. The fowls were
valued at one ounce gold each. The donkey
was purchased at 35 ounces. I asked my friend
who is an officer in the Army & an ex-revolutionist
to write me a sketch of his trip. if he does so I shall
send you a copy. I hope your dear baby
(the Light Sonian) is getting on well. Let
me know when you get home. Regards to
Patcher & Schaefer.

Yours very truly
W. F. Patcher

no dates
my friend
W. F. Patcher
1890

THE WESTERN UNION TELEGRAPH COMPANY.

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A. R. BREWSTER, Secy. **NORVIN GREENE, President.**

Date: London Va Ny 25 188

Received To Thos A Edison

memorandum
Draw sixty days
two thousand pounds

8 bailey 25¢
Rd 120pm
12/24

Draw
8 Coll
Sycamore

READ THE NOTICE AT THE TOP.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the message. It is not responsible for messages which have been accepted by the sender of the message, or for messages which have been accepted by the sender of the message.

A. R. BREWSTER, Secy. **NORVIN GREENE, President.**

Date: New York 26 188

Received at To Edison

will meet Johnson early
at eight forty five am
at six ninety one fifth
am

At MR Drumbly
165 N Wm / 1st

READ THE NOTICE AT THE TOP.

[FROM HEBER C. ROBINSON?]

Phila 30
Has a Edison
Mr Frank Thomson
& prof Bassler
Will arrive at
meets on Friday
About 7:30 o'clock
The prof wants the
lights and railway
in first class order
Sorry I cannot come
with them

Ra

1 New York 27.

↑ A Edison please send me
Copy of Contract with foreign
Countries which I wanted to see
Yesterday N Willard
18 paid dr. 20 Nassau St.

2 New York 27.

↑ A Edison Mr
Can be made twenty six feet
of two inches diameter & over
The George Place
13 Collier Alley Machy

3 Cable to Phonos. Must park
Stop Instruments until clock work
arrives must abolish handle
10 London

4 Ottawa Oct 27

↑ A Edison Sample is in a
Powder Keg forwarded from
Montreal G Duval

9 paid dr

1880. Edison, T.A. - Accounts (D-80-005) [not filmed]

This folder contains trial balances and other draft account sheets that were used in entering information into journals and ledgers (see Accounts Series).

1880. Edison, T.A. - Advice (D-80-006)

This folder contains unsolicited correspondence suggesting improvements in Edison's inventions, asking him for advice on technical matters, or requesting his assistance in improving or promoting an invention.

Approximately 10 percent of the documents have been filmed. Most of the documents selected for filming received a significant response by Edison.

copy get
vacuum
Punch
P. P. Edison
Menlo Park N.J.

45 Strawberry Street
Philad^a 11th Mo. 2, 1880

Dear Sir

I take this method, of calling your attention, to an improvement in the Air Pump, for which patents were obtained (two of them,) issued in the month of September 1879 (last)

They (the Air Pumps) are provided with a tube attached to the barrel of the pump (they being the barrel really) within the extension, is a spring upon the end of which, is a clamp, for holding a plug - as soon as the air is exhausted from the vessel, the spring is touched, and the plug is driven into the opening of the vessel from which the air has been pumped

It occurred to me, that as thousands, millions of globes, for your "Electric Light" would shortly be required, and as this process is very simple, & almost as ⁱⁿexpensive as putting on the stopper by hand, I would name it to you, as it must facilitate your operations, very considerably, as well as cheapen the mode of this department, of this very interesting work, which you have just given to the world

If this is of interest, please dispense a line & you can see the operation of it

Very Respy
V. C. Binck

M. ~~W. L. G. 2/2/80~~
a clerk
a page

Hotel Windsor

92 Castle St - Boston

January 3^d 1880

Thomas Edison Esq

Dear Sir

Being myself an inventor in a small way and not being troubled with envy or jealousy, Allow me to congratulate you upon your successes, which I do most heartily. Some time ago I tried some experiments in the way of separating the gasses of which water is composed for the purpose of obtaining a gas in a cheap way for heating purposes. I succeeded admirably, but have not made it public, because, to introduce such an invention requires considerable money to fight those who

are always ready to pirate
or steal a poor man's inven-
tion if it happens to be valuable.
My object in saying all this
is to ask you, Can you pro-
duce heat by your inventions
by making use of electricity
in a very cheap manner?

It is of little use for me to try
to introduce my invention if
you can heat by electricity
very cheap. By my process
I can heat a room 20 feet
square for one cent per day
over the cost of the water,
which, in cities will cost a
trifle in the country nothing.
I cannot use it for lightening
purposes, but for cooking
and heating purposes it is
simply perfect. I have no
ashes, dust or odor. I am

not trying to sell anything
to you, I only want to know
what I have to contend with,
and if you will kindly
answer me by return mail
you will gratify me very
much. Yours truly
A. C. Carey.

In the present state of
Science we cannot
heat houses economically
by Electricity

GEO. A. SPINNER,

ESTABLISHED 1850

Jewelry, Watches, Clocks,

SILVER PLATED WARE, &c.,

Repairing in proximity.

Santa Paula, Ventura Co. Cal. Jerry 5th 1880

Mr. E. A. Edison

Mindel Park Cty.

Dear Sir

My Tools that I use for Repairing & making watches have become magnetized and I wish to restore them, as will lose them. Please inform me how to restore the Tools to their former condition, and how to proceed to make a delicate test, so as to tell when the Magnetism is all removed. My tools if heated to a red heat are spoiled, so you see the necessity of not heating them

Very Respectfully

A full description of Geo. A. Spinner
how to do it appeared in
the serial for an
appendix to 2 or
3 weeks ago
Santa Paula
Ventura Co
California

Edward Tupper

40. King William Street,
London E.C. 4. 1882

Alfred Hanson Esq

Dear Sir

Have not time
to go into special
Lighting yet

In reference to our

Conversation I would be glad if you were
good enough to communicate with Professor
to ascertain

If he could suggest a practical means of
lighting railway carriages from the outside as
you sketched on back of this.

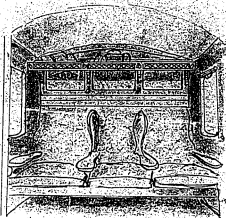
The result desired is the lighting up of
the under part of the Railway rack which
contains advertisements

I must send
Yours and Ours

so long as the under part of
the rack is lit up the light
might be anywhere, either along
the edge of the shelf ^{part} the under part
of what is the advertisement or outside
at either end

London June 6, 80
Brewer-Jensen
and family

of 180
kindly forward
the enclosed to
Mr E. It is
for about 7
own R.D.
Clausen



Section of Rack



Section of Carriage

Concord Jan^y 30th 1850

Mr J. C. Colburn
Dear Sir

Your answers to my
letters come duly to
hand. and received
All attentively. regarding

The fibers referred to
the fibers I referred to
you of is an Apasto
fiber. but I have 3
boxes more I put out
throw and vitet I
think will answer your
purpose. and if you will
say that you will try
it I will send you a
sample. and will be my own

me -

Jan 30/80

Pleased to hear from
you soon
Yours truly,
Miscellaneous
Letters
M. J. Dick

No 667 St Joseph

San Pa

The Wife

Asbestos fibre
does not conduct

Electricity hence
cannot be used

411 1/2 No. 8th St.

Philadelphia Feb 12, 1880

Write to say we will think over

Mr Edison's idea,

Dear Sir

I have watched with great interest the progress and results of your experiment with the Electric Light, because, if you succeed - as I am sure you will - an opportunity will be given to cities to ventilate their sewer pipes with down draft ventilation, which I have been advocating the last four years. The practical difficulty, in introducing this system of ventilation and burning up or disinfecting the sewer gas in sewers, has been the expense of engines, boilers, tall chimneys and other necessary apparatus for the proper disposition of the gas. These must be stationed, as you propose, in various parts of the city to accomplish the object, the exhaustion of foul air from sewers over limited areas. Your system of manufacturing and distributing the Electric Light solves the problem in the most practical way, I see no objection to using your engines, boilers, chimneys etc.

to pump out this sewer gas as fast as evolved and cause it to enter in the draft of the chimney under the grate of the boilers. I firmly believe that by forcing the foul air to descend the pipe instead of ascending the same, house drainage will be relieved of the greatest sanitary evil in the City. I wish you would think of this system of ventilation in connection with that of the electric light. If you could harmonize the two, that is, give cheap light and pure air in our dwellings you would be truly the greatest benefactor of the present age. The loss of mental and animal vigor, owing to the escape of sewer gas into houses and streets, decrease immensably the productive labor and power of the people.

I wrote in 1876 to Walla & Co. American Comm. about street electric light whether it could be used to disinfect sewers. They replied that they could not subdivide their light advantageously. My object was to find out whether this disinfection could be accomplished by means of electrical wires extending through the whole system of sewerage and of having lights burning at will or continuously both the pipes or wells connected with them at intervals so that the sewer gas ~~into~~ ascent would be forced to pass through a bank or battery of flame. Perhaps you can do this with your light. I am an

inventor in a small way. I have devoted my entire time and means since 1876 without adequate returns upon the ventilation and disinfection of sewers and their appurtenances. It does seem to me as if you have opened the way, in aidental way, to accomplish a great sanitary result, which if made known publicly, would add to the deserved popularity of your electric light system.

I have taken the liberty to write to you because I am interested in sanitary matters, and being opinion you may have of the above method of purifying sewers I shall be pleased to receive, if you can find any time to think about it

Yours Truly
W. F. Wheeler

411 1/2 No. 8th
Phila.

General Agents



WELSH & SONS CO.

Wholesale Dealers in

FOUR GRADE CURED MEATS, SAUSAGES,

BLASTING RIFLE POWDERS MINING CARTRIDGES LEAD MAPS & FIRE

34 & 350 & 331 Holladay Street.

DENVER, COLO.

187

General Agents



Georgetown Colo Feb 21st 70
Thomas A Edison Esq
Mills Park. N. J.

Dear Sir,

Some years since I in connection with a Brother sent you a few pounds of Redoxide ore at your request for the purpose of experimenting upon the character of ores. never learned from you if these arrived.

Some time ago I noticed a saw as it was struck by lightning, it was tempered so hard by the electricity that it splattered pieces under a slight blow, might not this be applied to tempering tools and steel used in instruments and by a simple regulating apparatus to control the force become useful for this purpose. Or is it used in this way.

Respectfully,

Geo W Wood

Georgetown
Colo.

Your idea is new

I thought to be tried

I have no time just now very busy with other get done will try it & report results

September -
Make a diagram
how to make these
connections

Sparta Illa. Dec. 20 1889

Thos. A. Edison

Dear Sir

Last summer I made a Wieders
Dynamo-Electric machine, which worked very well
but not knowing much about electrical sciences
at the time, I made it too small to produce
much of a light. But being successful in it, I
resolved to make a larger machine, and as
your reputation for a successful construction is
world wide, I thought I would copy after
yours. I saw in the Scientific American an
illustrated description of your latest machine
and as it looked very simple and had your
name to back it, I concluded to take the
liberty of making my large machine after your
pattern as described. Right now let me say that
I have made the machine for my own amusement and
do not expect to sell or hire it. Nor do I expect
to interfere in any way with your rights or
interests. Well I ordered my material which consisted
of 2 wrought iron cores 5 in diam and 26 in long
one cast iron piece 4×5 in long to connect
top of magnets and 2 cast iron poles with a
hole 6 in in diam; for the permanent to receive iron
and 80 lb No. 22 wire to make the helices. My commission
was made as described in Scientific American

I wrapped it with no. 18 wire (copper), the length being
~~only~~ only from commutator around armature, back
to commutator and then forward. The wire was laid
on time and consisted of 16 strands of 24 wires each.
From this no effect whatever, although my magnets
acted magnificently! After this I took off the
wire and put on more of the same size, but
composed only of 6 wires which I carried around
the armature 4 times before fastening to commutator
bars. The wires were connected up so that the bars were
alternately positive and negative, this gave no better
results than the other. Now I confess that I
am stumped (to use a westernism) and do not
know what the devil is the matter, nor where
to look for it. I do not think it is in the
magnets as they seem to work well and the
armature seems to fulfill all the conditions:—

"Cut the lines of magnetic force in a line perpendicular
to its direction" — I had given up all hope
when a friend of mine suggested my writing
to you a statement of my case which I have
done as above, but I confess with very little
hope of an answer as I know you are
very busy and I suppose bothered with letters
like this one every day. Still Mr. Edison if
you should answer this I will feel pleased
under many obligations which I may never be
in a position to return but if I should

You can reply call on me. But in any
event whether you answer or not accept my
best wishes for the success of your plans
and believe me that I am proud to
number you amongst my countrymen
Yours very Respectfully
Clay McCall
Sparta
Ill



ALEX. McDUGALL, Captain,
Wm. K. COVING, Clerk,
GEORGE FOLEY, Steward.

Magnetics of Lake Michigan & Lake Superior Transportation Co.
all accounts to be
paid to E. C. C.
Lake Michigan & Lake Superior Transportation Co.

General Offices, 74 Market St., Chicago.

STEAMER CITY OF DULUTH,

Cleveland March 11th 1879

Professor Edison

Dear Sir

Mentor Park. N. J.

I have read and heard so much of your ingenious and inventive powers. That I have concluded to write you on an idea that has been in my mind for some time. I am not able to make the experiments required but doubtless you are fully able and your good judgment on such will soon tell if it is worth anything or not. There is an amount of the great need of a Mariners Compass that will be proof against all local attraction. As we know the atmosphere is almost anything is a conductor of Magnetism. I think there is a Compass needle or magnet was in some way placed in a glass globe or other vessel with the air exhausted till nearly a perfect vacuum was obtained. That the needle would still retain its attraction to the north and south, and this vacuum would answer as a non-conductor of Magnetism or local attraction and in this give us a Compass that will point true on all ships &c and other places where the attraction is so great

127. River St
Cleveland Ohio

Respectfully Yours!
Alex Mc Dougall

Sparta, Ill. March 20 1880

Prof A Edison

Dear Sir

I herewith
acknowledge receipt of your favor
of 16 cents for which I return
you my sincere thanks. I am
more than pleased with your kind
note, and the clearness of description
and diagrams. I think I understand
it fully. The trouble with me before
was, that I was working with
open circuit and taking especial
pains to keep it so. I go to work
this evening and when I make a
success I will report to you.

And now Mr Edison if ever
you need any information or
service done in Southern Illinois
let me know and I will attend
to it as promptly as you desire
to my engineering. We have large

Karl's bid in our country
you should not, any, but fail to
let me know. Again I thank
you for your kindness
Yours most Respectfully
Clay Messel

Clay Messel
Spartan 881
March 29, 1950

San Fran Mar 26/88

J. Kachert
Capt 3^d

The success of
my gas by
using steam allow hot
Carbon is already unpatented
San Francisco March 26/88

Dear Sir,

I am surprised that
you did not receive my regis-
tered letter as I have the
postal receipt with the sig-
nature of your secretary.
At your request I repeat my
proposition:

Knowing that Gas Compa-
nies are troubled on account
of your great invention; an
idea suggested to me to
make use of the gas as fuel.
I discovered that cheap gas
may be manufactured by
means of steam heated
with a cheap combustible

material in the hot retorts; by
this process the gas will be very
hydrogenous and consequent
ly afford more heat than the
gas used for lighting.

I would like to obtain a pa-
tent on my discovery and intro-
duce it through your influen-
ce, therefore I invite you to
take a half interest in this
business; If this project will
find favor with you please
procure a patent immediately.
Be so kind as to inform me
at an early date of your deci-
sion and address all commu-
nications to N^o. 1403 Pratt St.

I have the honor to be very
respectfully Sir.

J. T. Lighth
Chemist and Assayer.

horse power. $2\frac{1}{2}$ feet long
18 inch (circumference). 10 inch
amount of
wound depend
on size of
Milwaukee, Wisconsin.
April 5, 1880.

Mr. Thomas A. Edison;
Dear Sir,

Will you
be kind enough to answer
the following questions?

- 1) What sized case would enclose a 1 horse power Faradic Electric Motor?
- 2) What sized case would enclose a 2 horse power Faradic Electric Motor?
- 3) What per cent of the power generated, can be conducted over 1 mile of wire and utilized in a Faradic Motor?

Yours Respectfully
Chas. W. Whitaker
Milwaukee, Wisconsin.

Richmond, Ind. 4/6 — 1880

Mr. Tho. A. Edison
Member Park
Dear Sir

Permit me to ask a
favour from you if in your
power to communicate it
will place me under lasting
obligation.

I want a receipt for ~~the~~
fire proof adhesive cement.
in my experiments so far I have
failed to get it hence my
application to your self for quantity
in that line

Was my suggestion in the
matter of electric light paper of any
value

Hoping to hear from you at
your earliest convenience I
remain
Your friend
Wm. L. Kimbark

I call to mind a letter from me to you
prof-cessant - Arden, August 1st 1878, Milw.

FRANK D. HATFIELD,
REPRESENTING
COLGATE & COMPANY,
PERFUMERS AND SOAP MANUFACTURERS,
NEW YORK.

ANSWER TO

Day, 1. 1. 81

DATED

Day 2. 4. April 1880

Thomas J. Edison Esq
- Menlo Park, N. J.
- Dear Sir:

I have a simple favor to ask of you and I would be glad if without apology or explanation believing nothing but to command me to go, busy men are you may as to the nothing (or as near to that as I can induce a request) to him.

Please inform me by what of mail or at a public lecture what substance or material, out of which an ear-druff or night cap could be made, is the most absolute and perfect non-conductor of sound you know of.

I have not slept over 15 hours out of 24 in 12 years and my ability to sleep of all things upon quickness of my surroundings. It has occurred to me this night, to use substance I put back to wash on a bed with noise, that used for or in an evening it would shut from my hearing - of least partially - the disturbing sounds which deny me sleep. If there be a perfect non-conductor available for the use mentioned this inquiry will of course suggest itself to you at once and I have every confidence from some of humanity's wisest

Private & Confidential

Can't go into it
he better work it up
himself
St. Paul's Church,
City of Columbia, Miss.
April 8th 1880.

Mrs. J. A. Edison.

My dear Sir,

Excuse my trespassing upon your very valuable time. I only ask 10 minutes of your serious thought. Please give it to me. I have discovered a new application of your subdivided electric ~~assumed~~ current. It has nothing to do with the production of light. But ^{it} meets a demand as universal as that for light. The ~~amount~~ ^{quantity} of electricity needed in the application of the current to the new use, being far less than that required to produce light, it will be so far less ~~less~~ expensive to the consumer. The difficulties surrounding the carbon "points" or the electric arc do not enter at all into the new application. The fact of a subdivided

electric current is all that is needed. Indeed the difficulties in producing a continuous light are exactly the means that secure the utility of the current in the new application of it. And I am quite persuaded that this new application of the current will be as valuable pecuniarily as that upon which you are now laboring. While I am equally sure that civilization throughout all its ramifications will be certainly as much benefitted by my discovery as if you had solved your part of the problem in the production of light.

Now a single word more, and I will not trespass on your time. If I were sure this letter would reach your eyes before it was read by anybody else, I would not hesitate to explain the matter to you here and now, because I have perfect faith in you. But a man in your

position must of necessity surround himself with pickets & oil-pools to be protected from the almost innumerable interruptions that afflict him in the form of just such letters as this.

If therefore you will drop me a ringing legal assurance that I may be an equitable sharer in the profits of the new application of your work - and I shall be entirely content to leave the past & am entitled to, to your own sense of justice, - I will explain it to you and you can then decide as to its value. I guarantee not to consume a sheet of foolscap in developing the idea. It is so plain and so simple that you will be able to see it in a moment.

I am a clergy man of the Protestant Episcopal Church, and can give you any references you may ask, both in New York City & in the South. Answer at

M
Columbus Miss. Apr. 8, 88
Rev Wm Munford
a. 6 p. 17

your convenience and address
Rev. Wm Munford, Rector
St. Paul's Church,
City of Columbus,
Mississippi.

I have been living here about
six weeks and here it was that
I stumbled upon the idea of which
I have been writing.

Faithfully
W. Munford.

P.S. I said quantity of electricity
required would be less, the intensity
required would be same.

Mechanicsburg,
Cumberland Co., Penna.
April 12, 1880.

Mr. T. A. Edison

Dear Sir,

Will you
favor me with the fraction of a
horse power (i.e. 33000 lbs. per minute)
necessary to drive your smallest
generator and furnish one electric
light for one hour equal to the
illuminating power of one coal oil
light.

$\frac{1}{5}$ th of hp will do.
My object in making this
inquiry is to obtain a data to assist
me in completing my design of
a hand compressed air engine, and
thus enlarge the field of your wonderful
discoveries by enabling the rural and
agricultural community to enjoy the
same.

Yours, &c.
S. F. Hubert

It will be seen that a new small boiler
would possess a new high Steaming
Power and in proportion as the size of
a boiler may be decreased its ability
to sustain pressure is increased this
proportionally higher pressure Steams
with its economic weight in higher
expansions

The highest results would however be
obtained with a generator not a boiler
what the generator is is passed over but
will be given if an interest is taken in some
quite small size generator would generate
steam sufficient for a thousand horse steam
engine and at any pressure or degree of
super heat in the steam covered over a
more degree super heat involving as
a matter of course an engine not
affected appreciably by it and this is
proposed as a part of the plan —
not a plunger piston engine but
a double acting vertical or horizontal
engine and entirely free from any
possibility of injury from the steam
or where it desirable to use it the use of
a fire.

Probably highly heated steam as
given above could be thrown

W. Hamilton
127 W. 32 St.
New York

1880
New York
April 15th

F. C. Johnson Esq.
Can't go into anything but already
repeatedly written up
Will it possible for me
to present it a glance to you
what I wish to present I am sure
you would feel a deep interest in
the same as there is nothing of as much
importance to the universal use and success
of the electric light other things being equal
as that I wish to secure for a minute or two
your attention to it this communication and
I would not trouble you knowing how fully
you are engaged all the time were not
sure as to what I shall state as briefly as
possible. It may be when I will power
so much having been claimed for wonderful
one getting for nothing and from nothing you
a feeling of repugnance in my own self.

Can realize in my own experience how this may be
Could you be assured that steam by any
Simple means could be made to do the work
is capable of doing; rather fuel. The
Ditto's or Generator, durable and reliable
The Engine also then I am sure you can be
not feel of a deep interest in it. - if where
1/2 to 5 pounds of Coal are now used 1 pound
would do the same work, well I trust I
can do that you judge solely on the
merits of the plan would grant the claim
just made, - Only to a very radical
change in the generating apparatus, also in
the Engine so that greatly higher pressure
and heat may be carried. I propose such
a change securing all the conditions of -
perfect combustion of the fuel, fuel
of any kind Coal, wood, peat, hay
and that so the heat need be lost
up the smoke stack. - It is not a

A Regenerator but will give all and
more with the best results of the Regenerator
and be almost universally applicable in
combination to which an application for running
small compact Steam Motors to Street Cars or
for other uses to substitute the present form of -
Steam Engines is not applicable.

However small the bore of the
cylinder tubes even, although only 1/2 inch
the area of the regular sizes they will -
always remain perfectly clean however
corrosive or sooty or dirty the fuel may
be, and may be kept in a very high heat
through a long tube of the small bore, stated
to melt for but 1 inch of tube that space
would do the work of 8 or 10 feet of the regular
tube, - The statements just made I am
aware look visionary and impracticable
but are true and will be fully admitted -
Should I have the pleasure of showing you
how accomplished.

71
Cambridge Mass May 17, '80
Rev R. G. Harkins
May 14

Cambridge, Massachusetts,
May 17, 1880

Professor Edison:

Dear Sir,

The N. Y. Herald of Saturday
last announced that you are
engaged in adapting the electric
light to lamps. I do not know
how trustworthy the report is;
but by one of the enclosed doc-
uments you will see that I
have reason to feel interested
in your efforts in this direc-
tion. I secured patent on my
inventions by the advice of my
old teacher & neighbor Professor
Benjamin Peirce, to whom I
feel at liberty to refer you for
any information concerning

myself, — though I may as well say here that I am a clergyman, & have resided here since 1852.

The object of this note, however, is not to warn you off the ground as belonging exclusively to me. But to say that I should value your services in helping to bring the invention to perfection, and would be disposed to contribute any equitable amount to give you an interest in the profits. I have spent much time & money on these inventions, & on others involving different applications of the motion power of the waves, which, though secured

to me, I have not time now to refer to more at length. My main object is attracted to a Johnson article is very exciting a favorable mind to it here. It has been in my mind to write you before but I feared that you were too busy to care with this matter. My friend thinks the same time will be of use in publishing material. He explains it is in his old days before the so-called Co. Consulting, & copy, "What as I am, I wasy garden to be the most profitable a case the Ocean by the power of the waves."

The John Brown Standard
Invented to make the instrument every one
of 9 miles from any work.

The John Brown
of 9 miles from any work.

Not in that line

Excuse me
to how etc

Washam May 28th 1888.

Professor. Effie on:

Dear Sir. I should
ask your attention to Column
headed "New Invention" in Scientific
American of May 29th in reference
to a Machine for joining Railway
& other Spikes a uniform thickness being
you intend extending your hand, I
desire to know whether you will
grant me an interview and allow
me to show you specimens that I
think will satisfy you in regard
to the superiority of the trouble over
the straight spike details of which
it is not possible to speak fully
in a letter. They are now being tried
by the C. P. R. Co. and I shall be pleased
to show you Reports from Engineers

✓
Tordham N.Y. May 28, 90
Marie E. Shay
a June 1, 90

I enclose this card letter
and hoping to receive a
formal response soon
Yours

Yours Respectfully
Marie E. Shay
Care Kingsbridge Hotel
Ocean View, Tordham

Bring him
~~Here~~ any time

No.
Elizabeth July 22 80

Dear Sir

There is here in
This town a young man
who claims to have made
a wonderful discovery
of some motive power
that can be applied
to any kind of machine
that is run by steam
and he says, at least
expense than has ever

been done before he
is very anxious to show
it to some one that
has capital and he says
he will convince them
in a very little time that
he can do what he says
now there is a machinist
at the Singer Mfg. Co.
who is trying very hard
to get him to work in the
shops down so as to get
from him what he knows
but I am acquainted
with him and would
like to have you see
him and talk with him
at Menlo Park. for if

Chgo. 29 July 1880
Halsted Crane

6 Aug 1880

he can do half that -
he pretends there is
money to be made with a
small outlay now if
you think it worth your
while to give him a
hearing - please appoint
a time either day or
Evening and i will
bring him to your house
at Menlo - Please answer
soon

Yours &c
Halsted Crane

134 Jefferson Ave
Chicago
I.J.

Thermosthespeltis
diffusely, in either light or
field, plowing or mowing
Western by a small black seedling
of the form of which is much
like that of light or green
area of the field in the
Gloucester Mass.
Aug. 26th 1880.

Dear Sir,
In the latter part of next month I
am to address the County Agricultural Society on its
58th Anniversary.

I intend to make comparisons between its early
days, its present, and future -

From the vast stride made in the use of electric
ity in practical usefulness, within a few years, I am sanguine
enough to believe that in a not distant future,
the farmer, by its means, will plow, till, reap, prepare
and take to market the products of his soil.

Having taken great interest in your wonderful inventive
genius and scientific attainments, I am induced to appeal to
you as the best authority to know your opinion on the subject
and if I am to be considered too sanguine.

I know how valuable your time must be and shall
greatly appreciate your kindness in replying.

Thomas A. Edison A. M.
Menlo Park
N. J.
Very truly yours
David W. Loew

How can be achieved in a vacuum
by using a strip of silver from
the electric circuit of the
Waltz, in the spirit of
Lodovico.

Office of
Dreyfuss & Sachs
Importers and Manufacturers,

75 77 79 & 81 Duane Street,
New York - Aug 3rd 1880

Dear Sir Messrs. Post. N. J.

Knowing that you have great
knowledge in Chemistry, I take liberty in
asking you, whether or not you think it
probable, that a piece of common
window glass can be silvered (that is
a looking glass made of same) by
using electricity in some shape or
manner - to precipitate the Nitrate
of Silver on the window glass -

We are in the Looking Glass Plate
business and now use Nitrate of
Silver by dissolving same with
Chromic - and simply forming
the solution on to the glass, which
lays on a warm steam table -
and this is fairly satisfactory to
me - but I think, that the plan
p. t. o.

can be very much improved upon
I know nothing of all about
electricity, but I should think that
for our purpose the electric
fluid could be applied by both
in otherwise similar to Nickel
Plates work!

Whenever you are in the city,
we should be most happy to have
you call on us and should
you deem it advisable to answer
these lines, we should be under
many obligations to you.

Very Respectfully
Please address

Bernard Dreyfus,
of Dreyfus & Lutz

75 to 81 Duane St
New York City.

Mr.
New York, Aug 20, 80
Bernard Dreyfus
6 Sept 80

22 11 1880
31 1 1880

Thomas A. Colson Esq
Mculo Park
New York City

My few lines to you is to ask if
there is much an enthusiasm to comb
to be had, for the purpose of finding
money. There are several treasure buried
and cannot be found without the
assistance of paid company. I am sure
that you are the only person of whom
I can get information & if to be had
would cost of said & if things
are known as mentioned you will
confer a favor to

Yours most Obedient
Henry Gillett

San St Louis Miss
Oct. 18 1880

V. S. S. S. S.
of powder

from the invention

There's large sums of
money invested in drying of lumber.
Now for something that will dry it
quick. These few remarks on the
invention are merely ideas & I thought
I would drop them to you as you are a
scientific man & could probably sift them
into something practical & beneficial to this
progressive age. Trusting that you
will forgive with these remarks
if you find them worthless just put
them in your waste basket.

Yours very truly,

J. S. Jordan
moe RR

HAVANA, N. Y. November 19 1880

Mr. Edison I have no rights in the
matter than his nothing
to prevent you from
New York
Experimenting with
anything you desire
to learn if you could
permit me to use the glass
tube in which I drew a
pencil draft, to try an
experiment with as a
transmitter for my kind
of a phone for hearing
one that I have got up
this week, and if you
would let me try for
an experiment but not

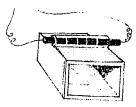
Havana Nov 19 80
9 Brambal
as to ~~the~~ ³⁵⁰⁰ ~~your~~ ^{being} against
your patent, and if you
would like to see a draft
of my phone I will
send it you, please see
by return mail whether
I can and if success
I will let you have the
phone to patent, will
be greatly obliged for
your favor.

Yours

Grant Brambal

P.O. box 219.

Havana N.Y.



Wash DC Recm 28
J. H. Mackenzie
Jan 4, 81

St. James Hotel
Washington (D.C.) 22/1/81

Dear Sir - I have tried some experiments
in the course of my work, but in
the matter of
writing copy as a teacher for my...

About two months ago
Paris and I got to sleep
while in Edinburgh & back from
the day of the Roman Road
a splendid electric light
Society of France & I have given it up
the most remarkable aerial machines
designed from 1500 - 1880 (without
fail) -

No. 50 is the invention of my father,
the Hon. Secy. of the Hon. Secy. of
Great Britain; & I have not success
in getting a patent for it
for another aerial model, which
I am applying for on my own account,
I have had the claims passed by the
Patent Office; & I expect to have the

allow^{ed} - At Paris, I hope to give greatly obliged by your informing me what
some papers on steamships before its description is allowable. -
returning to Britain, I am interested. If you take interest in the subject, &
in any new steamship machine. - I shall be glad to describe shortly, the more
the reason I now write is that N. 53 promised details of the machine & I am
(at least) on the list I got from Paris interested in, & which it is claimed for
bears your name; but, as I cannot then that they are better than the pre-
find it amongst the drawings or models - decisions (as far as these have been
in the Patent Office, they must become made public). - Believe me,

Yours faithfully,

in looking at your patent in the
museum, I saw a newspaper extract
passed on one of the shelves - giving some
of your opinions on the probability of
steamer navigation.

Of amongst the most number of your
inventions, which I have been desirous
to follow with very great interest for the last
two years, nothing appertaining to steamer
machines has been published, & I should feel

Yours faithfully,
John S. Mackenzie. -
L. E. -

1880. Edison, T.A. - Articles (D-80-007)

This folder contains letters requesting Edison to write articles; correspondence relating to articles about Edison or his inventions; and letters from journalists seeking to interview Edison at Menlo Park. Included is an article by Edison, "The Success of the Electric Light," published in the October 1880 issue of North American Review.

All the documents have been filmed.

My name is
John Michels
a Jan 1



Fig. 3. The Audiphone
properly adjusted to the
upper teeth, ready for
use. (Life size.)

767 Broadway N. Y.
Room 10: January 2nd 1880.

L. Thomas A. Edison

Dear Sir,

I forwarded to
the Cincinnati Enquirer
my report of your new
light on Tuesday last,
and will send you a
copy if I get one. — I
will in any case watch
its appearance with
great care.

Dr Shady the Editor
of the Medical Record
has asked me to report

on Mr. Richard S. Rhode's
Audiophone. — I called today
at Caswell, Hazard & Co who
has the charge of them, but
they declined to loan one to
me to make independent
and reliable tests. — The
whole surrounding and
their behavior, suggests
something wrong. —

In appearance it is a
rubber Japannic fan, if you
have seen one, or can tell
me the true merits of the
instrument I would be
greatly obliged. —

Yours Respectfully
John Nichols

Cn. of Cincinnati Express



Grand Trunk Railway Company of Canada.

(Form No. 4)



Department,

Detroit Station, 14 June 1880

Mr. A. Edison Esq
Menlo Park N.J.
My dear Al

Here I am sitting in
Johnny Thomas' Office at the
Junction, it is now some days since
my arrival & I still live, the all
absorbing topic in all circles here
is Edison & his light vs. Cox & the
blasted Gas Stock holders, I sent
you the San paper of the 30th ult. in
which appears what is represented as
an interview with me but the fact
is it was ~~a~~ a letter which I wrote
to the Editor & which they saw fit
to insert interrogatories which would
give it the appearance of an interview
but the language used by me was ex-
actly as printed without the slightest
change - if I made any false or
improper assertions please advise me

Robert Young
of Washington

Young's
Exposition

Dear Mr. Young
I am glad to hear
of your success
in the
Exposition



- 2 -

Grand Trunk Railway Company of Canada.

(Form No. 4.)



Department,

Station,

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so that I may avoid such in future - in fact & return of this date Hutch President of Mutual Gas Co here has very serious attack of Electric Worms & gives vent to his very great suffering in the last Column I suppose the I think you will say is the worst case of Gasous Fever on record & it would give me a great deal of pleasure if you would either set down & prescribe for him by answering him personally, or get Dr. H. to do it under your direction & let it be fatal for a more cordially detested citizen does not reside in Detroit. if you entertain the suggestion please send me the answer so it may appear not later than in next Sunday's Edition of Sam. Paper. Well I have already succeeded far beyond my expectation & have secured the Cooperation of the bravest & most reliable financial as well as the most successful and energetic business men in the state



Grand Trunk Railway Company of Canada.

(Form No. 4.)



Department,

Station,

187

I found an offensive element in the person of G. W. Balch who relied upon carrying the same parties with him in the same undertaking, based upon the promise (as he says) of George Green & Tracy C. Edison that they would see he got it when the time came, after considerable talk &c he was told that upon no conditions would they (the parties in question) have anything to do with it unless Mr. MacKenzie's advantage ^{was} & acknowledged & recognized whereupon G. W. B. caved in & accepted the situation. I expect to have my arrangements complete in a few days when I will return to D. C. & soon after be followed by a delegation to investigate matters at Dunk. Have your lamps all been kept continually since I left have any of them become dull or failed in any way as intimated by the Tribune have you changed the form of carbon & how - Have you yet succeeded in getting a carbon of a greater resistance

4

invention & if so does it enable
you to get an increased number of
lights per HP & how many

When in your opinion could
Detroit or any other city reasonably
expect to be able to put in your
system?

In perusing Mr. Johnson
Cronk's remarks in today's Tribune
you might infer that I represented
myself as your agent, this I wish
you to understand I carefully avoid
I have had much trouble & annoyance
in consequence of such statements
I have send any articles of merit
bearing of Edison or Gas which you
can spare - Has Prof. Merrill
condemned to visit you yet & what
did he say. Now don't get out of
patience with the long lines but
design to vouchsafe a reply to

Yours Sincerely

J. M. Weston

Address
Care Vernon Bros, 9
33 Congress St.
Detroit

7th
EB

My Jan 5 1880
G. M. Hopkins
Jan 8, 81

OFFICE OF THE

Scientific American,

O. S. MUNN,
A. E. BEACH,

No. 37 Park Row.

New York, Jan 5 1881

L. A. Edison

My dear Sir

I send here-
with a proof of the dy-
namo article, also the
tracing which does not
represent the machine as
it is on the block. The
crank wheel is made
smaller and the machine
is changed in several
particulars so that it is

more nearly correct.

As to the article I hope you will return it at the earliest possible moment and on no account delay return- ing it longer than Friday morning.

Mr Richardson is writing up our visit to your place last night and will un- doubtedly give you a good "send off" & shall give him what facts I have in regard

to the Camp

Yours truly

Geo W Hopkins

PS When will the letter be ready to show

W.M.H.

Only need to write this am I return them

will be ready

will be ready

will be ready

will be ready

will be ready

EDITORS: RICHARD P. ROTHWELL, Mining Engineer,
ROBERT W. RAYMOND, Ph.D., Mining Engineer,
WILLIAM H. WALKER, Ph.D., Department of Progress
in Science and the Arts.

EDITORS: RICHARD P. ROTHWELL, Mining Engineer,
ROBERT W. RAYMOND, Ph.D., Mining Engineer,
WILLIAM H. WALKER, Ph.D., Department of Progress
in Science and the Arts.

NEW YORK, Jan 5 1870

Dear Sir,

Referring to a paragraph
in our last issue of the Journal,
a copy of which I send you,
I have had a number of protests
against my assumption, that the
Electric Light is a success in an
economical sense. I would be greatly
obliged to you if you would give
me the data to answer our critics,
by informing me the actual amount
of power expended in producing
the light, and the data upon which
your estimates of power are based.

I fully believe that economical
electric lighting will be achieved

one of these days, even if you
have not already obtained it, ~~but~~
I know there is a good deal of
scepticism upon the subject, and
it would stop a good deal of
adverse criticism and insinuation
were the actual facts, as to the cost
published

Yours Truly,

R. P. Rothwell

To Prof. Edison
Shenley Park
N. J.

1000 ft. but
I want to know net in
power used for each
light for each engine
& I have 100 ft. per engine

Sheet No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been agreed to by the sender of the message.

Messages may be received again only by sending a message back to the sending station, or by sending, and the Company will not be held liable for any error or delay in transmission or delivery of the message.

This message is an UNREPEATED MESSAGE and is destroyed by payment of the same.

A. H. BREWER, Secy. WILLIAM ORTON, Pres't.

Date: New York Jan 2 1870

Received of _____

To: J. D. Edison

READ THE NOTICE AT THE TOP

Get tonight's telegram and tomorrow's Herald, we have two Columbus cable opinions leading Paris scientists I put following special head to same. Edison sustained the great parisian savans believe in his discoveries Count De Muncel mbody. the Editor of L'Electricite says the Count deceived the public of the wisards great secrets. French scientists on the Carbonized horseshoe pyramids of science effectually silenced forever! How is this for high
W. J. Reid
Edwin M. Fox

Write him nice letter
say that we are able
to drive to death
with work in
THE NORTH AMERICAN REVIEW.
111 BROADWAY NEW YORK
Do nothing
Jan 23, 1880.

Dear Mr. Edison,

I was greatly disappointed
in receiving from Mr. Lipton yesterday
a postal card in which he stated that
he could not promise your article by
the 1st of Feb'y next. As I called to
Switz after seeing you at New's Park
that the article was forthcoming it will
be very embarrassing in many ways if
it fail to publish it. It would seem to
that the true true wife for some official
statement over your own signature. Please
therefore do not disappoint me, and allow
Mr. Lipton proceed with the preparation
of your paper so that we can have it

in due season.

Very truly, yours,

John S. Bacon,
Secretary.

Why is
Mr. Lipton
as follows



Office, No. 2 Ann St.,

(HERALD BUILDING.)

New York, Dec 3 1886

Dr. Edison:

Dear Sir:

You were kind enough to say to Mr. Fox, a representative of the Telegram, during a recent interview with you on the General criticisms of your great work of the electric light, that you would send a few of your lamps to Paris for inspection. Will you kindly let us know in this office when these lamps will be sent and allow

Yours truly

Wm. Howard
City Editor

We expect to make a box in a week or two of four or lamps and be sent will
Oct 40

The Scientific Publishing Company,

No. 27 PARK PLACE,

P. O. Box 4104.

AUSTIN GALLAGHER, PRES.
HENRY M. GIBB, SEC'Y.

PUBLISHERS OF THE ENGINEERING AND MINING JOURNAL (Weekly)

THE BRICK, POTTERY & GLASS JOURNAL (Monthly)

New York, March 2nd 1888

T. A. Edison Esq.

Dear Sir:

Your favor of Jan. 14th is before us. You there state, that you might be able to make known in a few weeks, your process for treating ore.

We are very much interested in this, and the writer would be glad to call and see you with reference to the matter upon any day you may name.

Very Truly Yours,

Edwin Bolitts

for the Eng'g. Jour'l

[Demande pour des Renseignements Détaillés, etc.]

Philadelphia, March 18 1880.

Mr. Thos. A. Edison
Menlo Park
N. Jersey

DEAR SIR:

The editor of "La Chronique Industrielle," 15 rue des Halles, Paris, France, has asked me to prepare and forward, for free publication in that well-known scientific journal, concise notices of important American inventions, processes, machines, etc.

If you will kindly mail directly to the Paris address above given a good clear electrotype of your Improvement in
Dynamos & Vacuum Pumps
& of dynamo-electric
machine

I will take pleasure in sending over the necessary description in French, immediately on receipt of your notification that the block has been sent. If the block be too heavy for mailing, Terkulle's Express, 49 Broadway, New York, will carry it at special rates, for a trifle; but express charges should be prepaid. It is best to send the editor a postal card stating what block you send, and by what mode and date.

I would be glad to have duplicate copies of whatever printed matter you have, bearing on the details of the subject, together with any written suggestions you might wish to make.

Very truly,

R. GRIMSHAW.

Address

ROBERT GRIMSHAW, M.E., Ph.D.,
Franklin Institute, Philadelphia.

HALL OF THE FRANKLIN INSTITUTE,
18 S. Seventh Street,

Philadelphia, 3/19 1880

Mr. Thos. A. Edison
New York
New Jersey.

Dear Sir: I am asked to collect
for the Journal of the Franklin
Institute some practical recipes
& recipes which would be of gen-
eral interest in the Mechanical
Arts, & can be vouched for as
correct. Will you kindly send
me at yr. earliest convenience,
for the purpose named, one or
more short, thoroughly practi-
cal wrinkles, not generally
known & which you have found
of use to yourself & are will-
ing to make public?
I will of course send

you a copy when published
Very truly, with respect,
Robert Spencehaw
per C.

Enclosed sheet sh'd interest you.

NY Mar 19 80
T. B. Conway
E.S.
on milling news

The Herald.

New York, March 19, 1880

My Dear Sir

I intend if possible
to pay another visit - to Meads
Park to-morrow (Saturday) and
if you can I would like you
to have in tabulated form
an account of the number of boxes
each camp has been tried.

As the Sun & other
papers are dribbling out facts
about the milling affair. I
would like also that you would
permit us to publish an au-
thorized statement about it.
I intend to talk with you

a competent writer for the
purpose of getting all the facts
in good shape for publication.

I prefer our interested ones
to remain unknown to anybody
but yourself.

Yours
H. M. S. J. J. J.

All the sections of papers
for the magazine are all
ready for making up with
exception of one of you
No. 80. Please in time. Will you
kindly return it at your
convenience. The possibility of
printing may not be decided
before the 1st of the month.
Yours respectfully,
C. A. Wilson, Secy.

One Million
Mch 25:80
Herald.

The Herald.

New York, March 25 1880

Dear Mr. Edison.

I forgot to ask Mr. Griffin, your secretary, to hand you the accompanying ms. about the talkings. It does not cover all the ground I desired for the first article. But I suppose it will do. As you wished to be able to see the article before publication I send it to you per bearer. Mark whatever alterations you desire. I would like to have it back with as little delay as possible yours
Thomas A. Edison

P.S. I would like to have had
a table showing how much
was obtained by affixing to
the different kinds of
specimens. In this table
only one seems to be
mentioned

P.B.

R. Johnson
EDITORIAL ROOMS
SCHENCK'S MAGAZINE
143 BROADWAY
NEW YORK

March 29th 1880

Can't let it out ^{in any form}
Dear Mr. Edison;

^{operations in Cal}
We note what
the Herald ^{then will give you} say ^{of this}
of your Milling Process.

We hope that
in consideration of ^{the} ~~the~~
unfortunate experience with
"first show" at the ^{meeting}
you will give no chance
to make the first presentation
of this, with drawings.

With this understanding
may our Mr. Barnard
come out and see what
you have? How about the
Electro-Moto-Telegraph? Can we
get something about that?

We have at last
found you out! Read
the enclosed, and tremble
for your reputation with
the Press!!!!

Very truly yours,

R. M. Johnson,
Act. Ed.

Does Fox sleep sweetly
these nights?

NY, March 31, 1880
S S Grant
No 000



March 31 - 1880

Dear Sir, - allows me to
introduce to your acquaintance
Mr. Frank Bellows, an artist con-
nected with Harper's Weekly, who
desires to see you with reference
to an illustrated article.

Respectfully

G. L. Corcoran

Editor Harper's Weekly

Mr. Thomas A. Edison



Office, No. 2 Ann St.,

(HERALD BUILDING.)

New York April 13 1880

Dear Mr. Edison: In your letter of
Oct 5 you kindly promised that
we know when you would send your
Lamps to France. May I remind
you of your promise again?

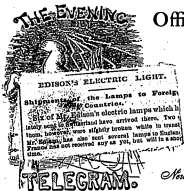
Yrs truly
Geo W Shaw

6 Lamps have been sent
to Switzerland, only
2 broke - some have
been sent to England
none yet to France but
these will be soon

THE EVENING

Office, No. 2 Ann St.,

(HERALD BUILDING.)



New York April 17 1880

Mr Edison

Dear Sir

My best thanks for your prompt reply to my letter asking for information about lamps to be sent to France. Would you kindly send me word when you forward them with any explanations that you may have. May I send the trouble I am causing you.

Yours truly
G. Arthur
City Editor.

NY May 32 80
John R. Sedgwick
a May 31 80

New England Hotel
New York
I have the time to write
May 31 80
Dear Sir, I am compiling
a complete history of the
various systems of electric
lighting - that is of magnets
& dynamo electric machines
& lamps down to the present
time. What I want to
know is will you
contribute something. Giving
what you consider the
several ~~framing~~ points
that distinguish your system
from all others, its advantages
& cost etc etc according to
the latest tests. I find
it rather difficult work
as the materials are so
various & dispersed.
Since I left Central Park
I have been spared almost

solely in looking up all the details about electric lettering I made a very interesting discovery & that is that neither Siemens nor Atkinson are the inventors of the Rect-angular, or longitudinal method of winding an armature for which they claim & have got so much credit ~~for~~. I also found out something very interesting in regard to winding. something almost exactly the same as you propose to use. I came here to the city expecting to go to work for the Am. Union. In fact I had an idea of something new in the relay line but I am unable to do anything with it at present

As the Am Union expect to present the judgement in the Page patent being entered up. I have not arrived at any decision yet what I will do I suppose it will depend on circumstances.

John R. Regedor

THE WABASH PLAIN DEALER.

PLAIN DEALER PRINTING COMPANY, Proprietors.

EDITOR,
WILSON P. SEATOR,
1870.

Established 1859.

Associate,
W. B. BULLER,
1864.

CIRCULATION APRIL 1st, 1880, 2,401.

Wabash, Ind., May 28th 1880.

Thomas A. Edison Esq.,
Dear Sir

We have always been a
steadfast advocate of your electric light
& other inventions. Your Electrical Railway
is a wonderful invention & we should
heartily like to republish the illustration
of it from "Scientific American" of
June 5th. Can you not send us an
electrotype of that cut, we will publish it
the account of the Railroad in full, we
will use the electrotype carefully & promptly
return it - it is something that should be
spread before the people in this region
of level prairie roads. Please do this
for us and will deeply appreciate the
favor

Yours truly,
Herbert K. Kellar
Editor,

THE WABASH PLAIN DEALER.

PLAIN DEALER PRINTING COMPANY, Proprietors.

Editor,
THE WABASH PLAIN DEALER,
1879.

Established 1859.

Associate,
THOMAS BUTLER,
1880.

CIRCULATION APRIL 1st, 1880, 2,401.

Wabash, Ind., June 18th 1880.

Thos A. Edison Esq
Menlo Park N.J.
Dear Sir

Your kind favor
promising me the ~~cut~~-electrotype
of ~~the~~ your Electrical Railroad for
use in the Plain Dealer received June
4th but the electrotype has not yet
arrived. Please forward by express
at my expense as soon as possible. We
have reserved the first page for its
location & description of the invention
as soon as it arrives, we will use it very
carefully & return promptly.

Very Truly Yours,
Thos. Butler

M. B.

The cut-referred to is the one that appeared
in Scientific American recently.

THE GRAPHIC COMPANY.

New York, July 27 1880

My Dear Sir

We have to thank you very much for your thoughtful kindness in sending us that copy of L'Acronaut, of which, as you have seen, we made good use.

This will be handed to you by our Mr. Horgan; and any facilities which you can give him in the execution of the purpose of his visit, will be appreciated by us.

Yours very truly
P. Girard
Editor of the Graphic

Thos. A. Edison Esq

Southampton Ind. Aug 10/80

F. E. Scupp

Aug 13

Dear Sir:

I am a provincial editor on my travels. On my way home from this summer resort I shall pass through New York city; and it is my purpose, all things being agreeable, to run down to Menlo Park for an hour or so, and view with my natural eye the scientific wonders of which I have often written and only by imagination. As I am restricted as to time, I take the liberty of enclosing a postal card, addressed to me here, on which I should be glad to have a line saying whether, if I should visit

Your laboratory on Saturday, 21st
August, or Monday, 23^d, I could
have a glimpse of your electric
light machinery and the famous
railway - and at what hours they
are visible.

Trusting that I am not imposing
too much on your ever = tried
good nature, I remain

Very sincerely yours -

Francis C. Leupp.

Southampton, L.I., Aug. 12th/88.

JOURNAL
LE GOLFE DE NAPLES
DEUXIÈME ANNÉE
BUREAU
Carnasio & Tolé, 5

Naples September 5th 1880.

Sir,

With great pleasure I have received and admired your photographic portrait, and I thank you for this highly appreciative mark of kindness. To acknowledge my gratitude I have the honour to send you some No^s of the Golfe de Naples of to-day, in which I promise to the readers to reproduce in a neat No your likeness. - Now, in such a case, I should be very obliged to you if you would please to inform me beforehand of the number of copies you could like to have and favour me, for the No in question, with some biographical notices.

As to the importance of my newspaper, I want to declare that the Golfe de Naples is well in its kind for the foreigners and tourists in Italy and most prized in all the clubs and reading rooms in the best hotels of Italian towns and cities.

With the greatest admiration and devotion
The Director
Gaetano Fede

THE NORTH AMERICAN REVIEW,
NEW YORK, N. Y.

New York Sept. 1850

Mr. Thomas A. Edison.

Dear Sir:

Will you
please advise us what amount
we shall send you in
acknowledgment of your con-
tribution to the October number
of the North American Review,
and very much obliged.

Very Truly Yours,

L. S. Melrose, Secy. Treas.

1/2 doz 750

**WESTERN UNION
Telegraph
OFFICE.**

New York Sept. 17. 1870.
file

Dear Sir,

I have just returned from
the west and find your note. I will
have your plate sent to you without
delay, and shall ask engraver if it can
be electrotyped. When I need copies for
a second edition I will trust to your
providing them. I have come out - \$250.
but do not regret my labor. Have only 12 copies
left.

Yours truly
J. A. Fox

No.
PATENT AGENCY OR MACHINERY
DEPT.
CONNECTED WITH THIS PAPER.

THE INDICATOR.

WILLIAM M. BARR,
EDITOR.

An Illustrated Journal of Mechanical Engineering and Applied Science.

Indianapolis, Ind., Sept 22 1880

Thomas A Edison Esq
Menlo Park N.J.

all right

Dear Sir

I read your paper in the Oct. No. Am. Rev.
with pleasure, and I am so interested in
the subject that I should like permission
to reproduce it in the Oct. number of this
journal giving you proper credit.

Respectfully,
William M Barr

22 0

THE NORTH AMERICAN REVIEW,
NEW YORK, N. Y.

OK file

Sept. 29,

Dear Mrs. Colson:

*I have been absent
from the city, hence the delay in
replying to your note of the 17th.
Please accept our very sincere thanks
for the article on the electric light.
We will send by next mail a lot of
copies of the Review.*

Very truly yours,

L. S. Metcalf, Rev. Insp.

As per memo of
T. W. B. & Co. dated
5th Dec 1880
signature

Boston Oct 13 1880
E. R. Baldwin
Oct 28

409 Washington St.,
Boston, Mass., Oct. 13, '80.

Mr. Y. A. Edison,

Dear Sir: -

I propose
shortly issuing a "Sci-
entific Annual," to con-
tain a brief notice of
the most important
scientific work of the
year having a popular
interest. If you would
like to have reference
made to any work done
at your laboratory I
shall be pleased to
receive an account of

the same in popular
and very brief form.
As this annual will be
sent to 4,000 American
newspapers, which will
copy from it largely,
any information it may
contain will be sure
to reach a numerous
audience, and be very
extensively read by the
general public. Any
communication should
be sent me at once.

Very Respectfully,
E. Klehadbourn.

(1886)

Huell office,
Boston, Aug Oct 24.

Dear F:

Enclosed please find an account of a new apparatus for lighting gas street lamps by electricity, which I fancy may be of interest to you. Baumhoff, the inventor, is a former reporter on the Boston Herald, and I believe is the same man they sent to look up your light some months since.

Please be sure and inform me a full week in advance of the general lighting up which you spoke to me about the other day.

The Guild of a fortnight sends kin regards.

Yours, &c

Thomas Maguire,
Boston Huell office.

[PHOTOCOPY]

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1880-11-

Published Monthly, Volume 18, Number 4.

SIXTY-SIXTH YEAR.

6.25-300

THE
NORTH AMERICAN
REVIEW.

EDITED BY ALLEN THORNDIKE RICE.

October, 1880.

- ✓ I. The Democratic Party judged by its History..EMERY A. STORRS.
- II. The Success of the Electric Light.....THOMAS A. EDISON.
- III. The Ruins of Central America. Part II.....DÉSIRÉ CHARNAV.
- IV. The Observance of the Sabbath.....Rev. Dr. LEONARD EACON.
- V. The Campaign of 1862.....Judge D. THEW WRIGHT.
- VI. The Taxation of Church Property.....Rev. Dr. A. W. FITZER.
- VII. Recent Progress in Astronomy.....Professor E. S. HOLDEN.

NEW YORK:

D. APPLETON AND COMPANY.

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[PHOTOCOOPY]

THE SUCCESS OF THE ELECTRIC LIGHT.

Nor a little impatience has been manifested by the public at the seemingly unaccountable tardiness with which the work of introducing the "carbon-loop" electric lamp into general use has hitherto progressed. It is now several months since the announcement was made through the newspapers that all the obstacles in the way of the utilization of the electric light as a convenient and economical substitute for gaslight had been removed; that a method had been invented by which electricity for light or for power could be conveyed to considerable distances economically; that the current could be subdivided almost *ad infinitum*; and that the electric lamp was henceforth to be as manageable for household purposes as a gas-jet. But, so far as the public can see, the project has since that time made no appreciable advance toward realization. The newspapers have reported, on the whole with a very fair degree of accuracy, the results of the experiments made with this system of lighting at Menlo Park; scientific experts have published their judgments, some of them pronouncing this system to be the desiderated practical solution of the problem of electrical lighting which has vexed the minds of physicists since the day when Sir Humphry Davy produced his famous five-inch voltaic arc. Still it must be confessed that hitherto the "weight of scientific opinion" has inclined decidedly toward declaring the system a failure, an impracticability, and based on fallacies. It will not be deemed discourteous if we remind these critics that scientific men of equal eminence pronounced ocean steam-navigation, submarine telegraphy, and duplex telegraphy, impossibilities down to the day when they were demonstrated to be facts. Under the circumstances, it was very natural that the unsuspicious public should begin to ask whether they had not been imposed upon by the inventor himself, or hoodwinked by unscrupulous newspaper reporters.

Now, the fact is, that this system of electrical lighting was from the first all that it was originally claimed to be, namely, a practical solution of the problem of adapting the electric light to domestic uses and of making it an economical substitute for gaslight. The delays which have occurred to defer its general introduction are chargeable, not to any defects since discovered in the original theory of the system or in its practical working, but to the enormous mass of details which have to be mastered before the system can go into operation on a large scale, and on a commercial basis as a rival of the existing system of lighting by gas.

With the lamp and generator which at the time of the first announcement it was proposed to use, the electric light could have been made available for all illuminating purposes as gas is now; the expense would have been considerably less with the electric light; the lamp would have been quite as manageable as a gas-burner. But, fortunately, the unavoidable delay interposed by administrative and economic considerations afforded opportunity for further research and experiment, and the result has been to introduce many essential modifications at both ends of the system—both in the generator and in the lamp; at the same time sundry important changes, all in the direction of economy and simplification, have been made at almost every point in the system, as well as in the details of manufacturing the apparatus.

As for the lamp, it has been completely transformed. The external form of the two types of lamp is identical; the principle of illumination—incandescence of a solid body *in vacuo*—is also the same; but, in the earlier lamp, light was produced by the incandescence of a platinum wire wound on a spool of zircon; in the perfected lamp the source of light is incandescent carbon. Another essential difference between the two is found in the form given to the incandescent body: in the platinum lamp it was coiled compactly on a small spool; in the carbon lamp it is a loop some five inches in total length. This incandescent loop is found in practice to afford a better light for domestic purposes than an incandescent mass of compact form: the shadows it casts are not so sharply defined, their edges being softened.

This loop of carbon is now prepared from the fiber of a cultivated species of bamboo from Japan. A thread of this material, after undergoing a certain chemical process, is bent into the required shape, and then reduced to carbon. The resulting carbon loop is of a remarkably homogeneous structure, and possessed of a high degree

[PHOTOCOPY]

THE SUCCESS OF THE ELECTRIC LIGHT. 297

of tenacity, so that it can withstand, without breaking, all the concussions it is likely to be subjected to in household use.

The perfected lamp consists of an oval bulb of glass about five inches in height, pointed at one end, and with a short stem three quarters of an inch in diameter at the other. Two wires of platinum enter the bulb through this stem, supporting the loop or J-shaped thread of carbon, which is about two inches in height. The stem is hermetically sealed after the introduction of the carbon loop. At its pointed end the bulb terminates in an open tube through which the air in the bulb is exhausted by means of a mercury-pump till not over one millionth part remains; the tube is then closed. The outer extremities of the two platinum wires are connected with the wires of an electric circuit, and at the base of the lamp is a screw by which the circuit is made or broken at pleasure. When the circuit is made, the resistance offered to the passage of the electric current by the carbon causes the loop to acquire a high temperature and to become incandescent; but, as this takes place in a vacuum, the carbon is not consumed. The "life" of a carbon loop through which a current is passed continuously varies from seven hundred and fifty to nine hundred hours. With an intermittent current, the loop has an equal duration of life; and, as the average time an artificial light is used is five hours per day, it follows that one lamp will last about six months. Each lamp costs about fifty cents, and when one fails another may easily be substituted for it.

The light is designed to serve precisely the same purposes in domestic use as gaslights. It requires no shade, no screen of ground glass, to modify its intensity, but can be gazed at without dazzling the eyes. The amount of light is equal to that given by the gas-jets in common use; but the light is steadier, and consequently less trying to the eyes. It is also a purer light than gas, being white, while gaslight is yellow. Further, the electric lamp does not vitiate the surrounding atmosphere by consuming its oxygen, as gaslights do, and discharging into it the products of combustion. The heat emitted by a gaslight of equal illuminating power; the glass bulb remains cool enough to be handled. Of course, there are here no poisonous or inflammable gases to escape, and the danger of fire is reduced to *nil*, with a consequent reduction of the rate of insurance. Again, this light, unlike gas, is always of uniform quality. A sort of meter registers exactly the amount

[PHOTOCOPY]

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THE NORTH AMERICAN REVIEW.

of electricity consumed in each house. Finally, not to enumerate all the advantages which this system possesses over gas-lighting, the lamp can be manipulated even by the most inexperienced domestic servant; nor can the most careless person do injury to himself, to others, or to property, through not understanding its mechanism.

Another important modification of the system, introduced since the latest authorized account of the light was published, is the substitution of dynamo-machines for magneto-machines in the stations from which the electricity is to be supplied to the several districts of a city. Here, again, the change is entirely in the direction of simplicity and economy. Where before it was proposed to furnish a station with one hundred magneto-machines with a multiplicity of belts and shafting, we now make ten dynamos of 120-horse power, each worked directly by a 120-horse-power engine. We thus do away with a very considerable loss of power, and at the same time the outlay for machinery is very much lessened.

With these and other modifications of the system, which need not be particularized here, it may be safely affirmed that the limit of economy, simplicity, and practicality has been reached. The time for experiment has passed; any further improvements to be made in the system must be suggested by its performance when put to the test of actual use on a large scale.

To the question which is so often asked, When will a public demonstration of the working of this system be made? we would reply that such a demonstration will in all probability be made at Menlo Park within two months from this date. The time which has elapsed since the preliminary demonstration of last January has been by no means a season of inaction for the promoters of this enterprise. There is a vast gulf between the most successful laboratory experiment possible and the actualization of the results of that experiment in a commercial sense. A prodigious amount of work was necessitated by the establishment of factories for producing the lamps, the generators, and the other essential parts of the system in large quantities, so as to be able to supply the first demand. We were about to enter a field that was practically unexplored, and, even on a preliminary survey, problems of the most complex kind arose on every side. These had to be solved before the first step could be taken toward the actual introduction of the light into our cities as a substitute for gas. The practical engineer and the man of business can best appreciate the difficulties that had to

[PHOTOCOPY]

THE SUCCESS OF THE ELECTRIC LIGHT. 209

be overcome. Like difficulties have in the past retarded the general introduction of nearly all the great mechanical and chemical inventions. Years intervened between the discovery of photography and the taking of the first photograph; the steam-engine, the steamboat, the locomotive-engine, did not come till long years after the discovery of their scientific principles; and the same is true of the telegraph.

But preparations are being actively made for placing this system of electric lighting within reach of the people in all the great centers of population throughout the United States. To this end, cities are being mapped and divided into districts, each to be supplied with electricity from a central station; estimates are being made of the exact cost of plant in the different cities; contracts are being negotiated for the manufacture on a large scale of engines, dynamos, lamps, wire, and all the other supplies needed for the practical introduction of the system throughout the country; men are being trained to put up the plant of central stations, to run the machines, and to execute all the details of the introduction and working of the system.

A very important question is that of the cost of this light. The price of the electric light will, of course, be determined by the capitalists who invest their money in it as a business venture, but it will of necessity be low as compared with gaslight, though it will vary according to the original cost of plant, the demand in any given locality, and other conditions. It is not at present the intention of the company controlling the patents on this system to supply the light directly to consumers. The company will erect the first station in New York City, and will themselves conduct that station; but the other stations in New York, as well as in the other cities throughout the United States, will be managed by local companies, who will pay a royalty to the Electric Light Company for the right to use the system.

So much can be safely affirmed, that this light can be sold at a price which will make competition on the part of the gaslight companies impossible: 1. Because the total investment in plant to develop a given quantity of light is much less; 2. Because the depreciation of plant is much less; 3. Because the cost for labor employed is very much less than in gas-works; 4. Because the electric-light companies will not have to make any dead investment in large areas of real estate; it is not even necessary to erect buildings specially to serve as stations, for the ordinary buildings, such

[PHOTOCOPY]

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THE NORTH AMERICAN REVIEW.

as are used for different branches of manufacture, will serve the purpose, and may be hired on rental; 5. Because the companies can sell electricity for two uses—for light at night, and for power in the daytime. It has been ascertained by experiment that power can be supplied through this system from twenty-five-horse power down to $\frac{1}{2}$ of a horse-power on the same mains that supply the light, and that elevators, printing-presses, sewing-machines, fans, pumps, etc., can be run by electricity from a central station far more economically than by any other means. A canvass of the city of New York has shown that the demand for small powers, in private dwellings and minor industrial establishments, will give occupation to the central stations in the lower part of the city for ten hours daily. This power can be supplied at such a profit to the companies as to more than cover the expense of running the stations for six hours longer in producing electric light. It is evident, therefore, that, in a competition with gas, the electric light possesses an enormous advantage.

THOMAS A. EDISON.

EDITOR'S OFFICE OF THE SUN,

New York, Nov 16 1881

Dear Mr. Edison:

The Sun would like

something more as to how you are
getting on with the light. Will you
be so kind as to name a time when
it will be convenient for you to see me?

Truly yrs

A. M. Lyman

Can run out any evening if that will
suit.

We are almost ready
will notify you when
to come out,

(1880)

Enoch Higgins,
Boston, Nov 25

Dear Tom:

Don't let me get left
this time when you are
ready with that light but
the spoke of wheel I saw

How about how long do you
think? Please drop me
a line on receipt of this.

Yours,

Tom Maguire,
Boston, Mass.

I am going to promise
when but when before
it comes off I will
let you know

1880. Edison, T.A. - Autograph and Photograph Requests (D-80-008) [not filmed]

This folder contains unsolicited correspondence requesting Edison's autograph or asking for photographs of him.

1880. Edison, T.A. - Bills and Receipts (D-80-009) [not filmed]

Most of the bills and receipts in this folder are for routine laboratory expenses. There are also bills and receipts for personal expenses. Additional bills and receipts for 1880 can be found in Invoice Books, Cat. 1162 and Cat. 1163 (not filmed).

1880. Edison, T.A. - Bills of Lading (D-80-010) [not filmed]

This folder contains bills of lading for the shipment of merchandise.

1880. Edison, T.A. - Book and Journal Orders (D-80-011)

This folder contains correspondence, bills, receipts, and other documents relating to the ordering of books and journals.

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1880.

W. J. 1880

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The complete set of, *Annalen der Physik u. Chemie* offered a year ago at No. 2858 - was sold when I got your order; it has been purchased by Mr. Swater, professor of physics at the Michigan University, Middleboro Conn.

Meanwhile I happened to make up a new set of the series edited by Poggendorff [1824 to 1870; 160 vols, 9 suppl. vols and the indexes], excepted 3 vols only, still missing. This copy is in an extraordinary state of condition: all the vols. recent [hand], as it shall perhaps occur no more for sale, many vols. being out of print. I am still in search of the 3 vols. yet missing: after getting them I am disposed to deliver to you the set at the rate of 2000 Mark.

The first series ed. by Gilbert [1799 to 1824] will be I think, of lower interest for you, because it contains chiefly translations from english and french scientific periodicals; its value is about 300 Mark, but at this moment I cannot dispose of a complete set of it.

Please give me notice about the want copy of the Poggendorff series [1824 to 1870], which I will reserve for you at all events till October 1st o.

I am, Dear Sir, respectfully yours

Handwritten signature:
Joh. Ambros. Barth
55

You are through
with it;

Your truly
C. B. Speer

Ames

714
Aug 5 1880

Mr J A. B. in
My dear Sir

I have borrowed
a copy of Part 1
Specifications
relating to Elec
for you & send it
by tonight ^{mail}

Make what
use you need
of it & return
it to me when



D. VAN NOSTRAND,
PUBLISHER, IMPORTER AND BOOKSELLER,
28 Murray and 27 Warren Streets,
P. O. Box 1111.
New York

Aug 8 50

Mr T Addison
Dear Sir, I send
you by express this
day set "Civil
Engineer & Architects
Journal" and
of the British Patent
Specifications as I
found were on hand.
The remaining
vols by I shall order
by tomorrow's mail.
Yours truly
C. S. Peirce



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LONDON, 15 PICCADILLY, W. 16 Aug.

188 0

J. A. Edison Esq.

Dear Sir, Yours of 1st inst. is received.

I give immediate & careful attention to your order, but as it is taken from an old catalogue, most of the works have been sold. In some cases however, I shall be able to supply other sets at once; & of some of the periodicals I shall hope to make up other & similar sets shortly. I shall duly advise, as usual, when I am able to make a shipment.

It gives me much pleasure to receive your continued orders; & I hope still to be of much service to you, in supplying your wants. Anything relative to books—either large or small, new or old—English or Foreign—I hope you will always employ my services for.

The set of the Annals of Natural History is sold, but I have now a much more extensive set as described overleaf.

London Magazine of Natural History, 9 vols.
1829-36

Charlsmoths - do (continuation) 4 vols.
1837-40

Jardine & Selby - do (do) 2 vols.

1837-38

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Edward Mearns
July

Mr Joseph Smith Esq
Palmyra N.Y.



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P. O. Box 176.
New York, *July 20, 85*

J. Addison Esq

Dear Sir
I have been
unable to get anything
today or to-morrow, will
let something in time
to send to-morrow.

I send you a work on
"Dry Rot" in timber & if
you will look in Hatfield
streets you will see has
a Table of Strength of
American Timber,
works on Protuney &

will also send tomorrow

Yours truly
C. D. Speer

The annual dues for
Mining Engineers is
\$10, for which ~~we~~
they get only the Publications
the Frey however only
charge 5⁰⁰ for their
vs. to non members &
why I can't see
Yours
Speer

T. A. EDISON,

Menlo Park, N. J., *Aug 21* 1880.

Cable

*Barth
Leipzig*

*Send answers
Edison*

*JM Park
Aug 21*

*1:35 PM
8/21*

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invoice enclosed. I had sold sets
of "Microscopical Socy." & "Chemical
News" but I send you more complete sets
which I hope will be satisfactory.

I shall be glad to supply continuations
to date of any periodicals you require.

Let me have a list

I have duly advised messrs Baldwin
of present shipments & have sent them
Bill of Lading & Amular Invoice.

Yours very obedtly
Bernard Quaritch

LONDON, 15 Piccadilly, W. 17 August 1899.

T. A. Edison Esq *Monte Park* *New Jersey U.S.A.*

to **BERNARD QUARITCH.**

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1866.

	£. s.	s.	d.
1 Schriften der Königl. Physikal. Gesellschaft zu Königsberg, Jahrg. 1 bis 18. Jht. I. 1866-77	4		
1 Chemisches Pharmaceutisches Central Blatt. Bd. 8 bis 37 (1857-66)	6		
	£ 10		

In a case T.A.E. 11

New York.

Per *Wheatley's Express*
to % *Baldwin, Bros & Co.*
New York.

No. Edison, Marble Park, N. Jersey.

Leipzig Sept. 4th 1870

Dear Sir

By this I have the satisfaction of informing you that the set of Pogendorf numbers is now completed and that I forwarded it according to the annexed certificate of invoice of the U. S. Consulate at Leipzig.

As for the amount of my invoice I have drawn upon Messrs. Arnold, Roggen and Co. as you ordered it.

All the vols. are collated; however I declare that some missing plates or leaves if there are, shall be furnished without any charge.

I remain

Dear Sir,

Yours very truly

J. J. Ambr. Barth

PURCHASED.

Form. No. 136.

CONSULATE OF THE UNITED STATES OF AMERICA.
AT LEIPZIG IN THE KINGDOM OF SAXONY.

I, Frederick Stöckel of Leipzig do solemnly and truly declare that I am the Agent of purchase of the goods wares or merchandise in the annexed invoice mentioned and described; that the said invoice is in all respects true; that it contains a true and full statement of the time when and the place where the goods wares and merchandise therein mentioned, and which are subject to any ad valorem rate of duty or to any duty regulated or directed by law to be estimated, or based upon the value of the square yard, or of any other specified quantity or parcel, were purchased; and the actual cost and quantity thereof and of all charges thereon; that no discounts bounties or drawbacks are contained in said invoice but such as have been actually allowed thereon; that the currency in which said invoice is made out is the currency which was actually paid or is to be paid, for said goods wares and merchandise; and that no different invoice thereof has been or will be furnished to any one.

I further declare that it is intended, to make entry of the goods wares and merchandise mentioned in said invoice at the Port of New York in the United States of America.

Dated at Leipzig, 4th day of September 1880

Total Amount of Invoice Mark 2000 —

Mark & Number Nov. Edison, Frederick Stöckel Auth. Agent

Mark. Bank, New Jersey vs

Contents Books

To be shipped from Hamburg

to Nov. Edison

Mark. Bank, New Jersey vs

No.

1973

I, the undersigned U. S. Consul, do hereby certify that at LEIPZIG on this 4 day of September A. D. 1880 the annexed invoice numbered 1973 in which are mentioned and described certain

Books

amounting, with the charges thereon, to the gross sum of 4,2000

was produced to me by Frederick Stöckel

in person the Agent of purchase

of the goods, wares and merchandise therein mentioned, who thereupon declared, in writing that it was intended to make entry of said goods, wares and merchandise at the Port of New York

in the United States of America. — I do hereby certify that I am satisfied, that the person making the foregoing declaration, is the person he represents himself to be; and that the actual market values or wholesale prices of the goods, wares and merchandise described in the said invoice in the principal markets of the Country and at the time of exportation are correct and true.

Witness my hand and seal of office at Leipzig, Saxony, the day and year aforesaid

Frederick Stöckel
U. S. Consul of the United States of America.

Received Consular Fee: 2 1/2 Dollars,
paid by Frederick Stöckel

No.

1973

Leipzig, den 4.
Jahrgangsst. 24.

JOHANN AMBROSIOUS B.

Rechnung

für Hr. Edison, Menlo Park, New Jersey



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1 Annalen der Physik u. Chemie, Band 1-160
(1827-77), Ergänzungsbände 1-8, Jahrbücher und
Registerbände

2000

AMBAOSIUS

M/183

CONSULTATION

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Vertical text on the left side, possibly a list of contents or a reference, including the words 'Total Amount of' and 'Contents'.

Handwritten numbers '6771' and '10' in the left margin.

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N.J.

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& charges
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will oblige

yours Respectfully

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I send you as per invoice enclosed. They are
more extensive than those you recently ordered
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Shall I obtain the completions and
Continuations to date?

Any periodicals or odd vols. you want
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This being a small case & value under
£50. I thought it best to send by Express to
Balmain, New York; as otherwise I should

have to declare before American Consul
I have paid other additional expenses - as on
a much larger shipment.

Your very obedient servant
Alvaro Quintero

Alvaro
Quintero
Sept 15 1882

Number Book Department.

D. APPLETON & Co.,

1, 3 & 5 BOND ST.,

NEW YORK, *Sept 1. 50* 1880

V. C. Edwin Esq

Dear Sir -

Your of 14th
to hand & the delivery of the set
of Turner Gallies to yourself has
filled the two subscriptions sent
in from your wife and yourself.

Yours Respy
D. Appleton & Co
for Davis

My return from apt-16 & 2nd St. Boston, Mass. Sept 17/17

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Thos. A. Edison
Menlo Park
New Jersey

General Edison
2nd St. Boston

WAR POSTAL CARD



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

A Edison
Menlo Park
N.J.

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WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

Mr Thos A Edison
Menlo Park
N.J.



D. VAN NOSTRAND,
Publisher, Importer and Bookseller,

23 Murray and 27 Warren Streets,
P. O. Box 1741.

NEW YORK,

Sept 27 1888

J. Addison Esq -
Menlo Park Cal

Dr Sir - I send you today
the 3 vols of wagners Year
Book you desire, my impression
is that you have the vol.
for 77 but I may be
mistaken ?

Regarding list
handed me by Dr Moses
kindly mention to him that
I am at work getting the
information he desires, if
he wishes the list ret'd
him in an incomplete
state I will do so, will
endeavor to finish it up
this week, Yours truly
C. B. Speer

DEPARTMENT OF THE INTERIOR,

United States Geological Survey,

OFFICE OF THE DIRECTOR,

San Francisco Cal. Oct. 12th, 1880.
~~Washington D.C.~~

Hon. W. R. M. Therson,
U. S. Senator,
Seabright, N. J.

Sir:

I have the honor to acknowledge your communication of Sept. 21st, enclosing a letter from Thos. A. Edison, requesting copy of "Geological Exploration of the 40th Parallel":

I have forwarded Mr. Edison's request to the Chief of Engineers, U. S. A., (by whom the volumes are distributed-) and am in hopes that he will be able to furnish them.

Very respectfully yours,

Clarence King
Director.

Source

San Juan Del Rio
Clarence King
to Hong Kong
1874/1875

U. S. COAST AND GEODETIC SURVEY OFFICE,

Washington, *Oct. 14*, 188*0*.

J. A. Edison, Esq
Mauls Park
New Jersey

Sir:

By direction of the Superintendent, at the request of Mr. E. A. Corman, Chief Clerk of the Department of Agriculture, a copy of *Agge's Deep-Sea Sounding and Dredging* has been forwarded to your address by this day's mail.

Please acknowledge receipt to the Superintendent.

Yours respectfully,
M. W. Hines
Coast & Geodetic Survey.

U. S. COAST AND GEODETIC SURVEY OFFICE,

Washington, Oct. 14, 1880.

Mr. E. A. Garman
Chief Clerk, Dept. of Agriculture
Washington, D.C.

Dear Sir:

To meet the request made in your letter - without date - , a copy of Sigsbee's "Deep-Sea Sounding and Dredging" has been forwarded by this day's mail to J. A. Edison, Esq., Menlo Park, New Jersey - by direction of the Superintendent.

Yours respectfully
M. W. Miles
Coast & Geodetic Survey.

67
68
73
74
75
76
77

File Henry Box.

Oct 14 1870

The Smithsonian In-
stitution said they
would send the
report for 1878 which
Southern you have
received

Almon

Oct 15 1870

Mr J Addison

Dear Sir,

The missing
volume of "Phil-
osophical Society"
has come to light

& I send it to you
by express, prepaid

today & yours truly
O. S. Speer

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Office of the Chief of Engineers,
 UNITED STATES ARMY,

Washington, D. C., October 28, 1880.

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 Menlo Park, N. J.

Sir:

The Director of the U. S. Geological Survey has referred to this Office your letter of the 20th Sept. last, addressed to Senator M. P. Pherson, requesting a set of the Reports of the Survey of the 40th Parallel. In reply thereto I am directed by the Chief of Engineers to say that volumes 1, 2, 3, 4, 5, 6, and Geological and Topographical Atlas, are sent to you by registered mail this date, from a few copies reserved for colleges, libraries, &c. Volume 7 has not yet been published.

Very respectfully,
 Your obedient servant,
 Wm. H. Bechtel,
 Major of Engineers.

(3420 G. R. 1880)

All Official Letters to this Office should be Addressed to THE CHIEF OF ENGINEERS, U. S. Army, Washington, D. C.

E. A. Cushman (Oct) 1880
Annual Report of the Smithsonian
Institute 1878
U.S. Coast Survey - Description of
Methods and apparatus used on the
"Str. Blake" By G. B. Sigbee U.S.N.

SMITHSONIAN INSTITUTION,

WASHINGTON, D. C., Nov. 16, 1880

Dear Sir: It gives us pleasure to
be able to comply with your
request in behalf of Mr. T. A.
Edison, and the Reports he de-
sires are sent to him by mail.

Very truly yours,

Wm. H. Preece
Chyck

Genl E. A. Cushman,
Chyck Agriculture Dept,

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 YORK, LONDON, BOSTON, WASHINGTON,
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 History of Sanitary Engineering of the
 Application - Necessity - Use of Machinery
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 7 tracts from Knoxville - 97 pp. returns
 paper - N. Y. 1834. fair condition \$1.00
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 N. Y.

N. O. 207 1886.

Office of
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Your subscription to this Journal expired ~~Sept 1st~~ *Sept 1st* 1886. We presume you overlooked the notice sent you at that time.

Respectfully,

THE SANITARY ENGINEER.

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Although I have duly advised Messrs. Baldwin I enclose duplicate Bill of Lading to you—in case of need.

Have you sets of the following periodicals
Edinburgh's Royal Society's Transactions
Edinburgh's Physical Society's Proceedings
Glasgow Philosophical Socy. Proceedings
Nature—a set

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Or, shall I obtain & send them? *What have you got of the Q. J. of Science*

Your obedient servant

Bernard Quaritch
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through us. All
of them agree with
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of information, but more
to give you an idea of
the contents of the work
& which I long ago
advised a sheet of
yourself to insert in
the Book. Hoping it will
be acceptable
Bellevue*

*Yours Respectfully
R M Washburn*

By Express

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MS Page 743 Letter Bk
LONDON, 15 Piccadilly,

To Mr Edison Esq
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20 Dec 1880.

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book named below, of which you desired a ~~report~~ ^{set} recently;

Annals of Electricity, Magnetism
& Chemistry, conducted by Sir Sturgeon
& assisted by gentlemen eminent
in these departments of Philosophy
Vol. I-III, Pro. 1836-8

£1. 10

(Should continue to look out for the other volumes)

Do not want it
Except it is
Shall I obtain it? Complete

file Ruskin
& Papers

I remain, Sir

Yours obediently,

BERNARD QUARITCH.

P.S. Should have also further orders signed for me.
BQ

LONDON, 15 Piccadilly, W. Dec 31 1880.

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NORVIN GREEN, President.

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wants.*

*Kennedy
15-24
934 if of or for*

1880. Edison, T.A. - Clubs and Societies (D-80-012)

This folder contains correspondence, bills, receipts, and other documents relating to Edison's membership and activities in social clubs and professional societies. Also included are requests by clubs and societies for lectures by Edison and for exhibits of Edison's inventions.

All the documents have been filmed except for blank forms and duplicate copies of correspondence.

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, having no liability, which have been previously set by the order of the sending station.

Messages may be repeated without any charge unless a message back to the sending station for correction, and the Company will not hold itself liable for errors or omissions in transmission or delivery of Unrepeated Messages.

The message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BEEVER, Secy.

NORVIN GREEN, President.

6

Dated New York City 7/16 1880
Received at 1001 Ave
Chas. B. Catlett

READ THE NOTICE AT THE TOP.

Being certain if possible
of not being letter
from him to read

John E. Sweet

1/2 paid
Honor

Edison and Malchen
up all night and just
gone to bed think
they had intended to
come but have forgotten
it

Sy ~~Smith~~
10/20/18

The American Society of Mechanical Engineers.

239 BROADWAY,

NEW YORK, *March 15, 1880.*

DEAR SIR:

A meeting, to organize THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, will be held at 11 o'clock a. m., on Wednesday, April 7, in the Hall of the Stevens Institute, Hoboken, N. J.* You are invited to attend.

At a preliminary meeting of engineers, held in New York, on February 16, a code of Rules was unanimously recommended for the consideration of a committee on organization, to be appointed by the chairman, who was also to be a member. This committee is: HENRY R. WORTHINGTON, ECKLEY B. COXE, JACKSON BAILEY, GEN. Q. A. GILMORE, PROF. WM. P. TROWBRIDGE, M. N. FORNEY and ALEX. L. HOLLEY.

The following committee to nominate officers was appointed by the meeting: PROF. JOHN E. SWEET, E. D. LEAVITT, JR., CHARLES T. PORTER, HENRY R. WORTHINGTON and ALEX. L. HOLLEY.

These committees will report to the meeting on April 7; rules will also be adopted, and officers elected.

The chairman of the preliminary meeting was requested to call the meeting for organization.†

In the Rules recommended at the preliminary meeting, it was provided that candidates for admission as Members, Associates and Juniors, shall present to the Council brief written statements of their qualifications for admission. (See appendix.) After correspondence with a large and representative number of the attendants at the preliminary meeting, the chairman believes it to be the general wish that all persons, including the attendants at the preliminary meeting, who desire admission to the Society, shall present such statements to the Council to be elected April 7, in order that the standard of qualification which may then be adopted shall apply equally to all who are admitted.

Yours respectfully,

A. L. HOLLEY,

Chairman of the Preliminary Meeting.

* Reached by ferry from Barclay Street and Christopher Street, New York.

† Anticipating a large attendance, he first applied to Dr. MORSON, President, for the use of the large hall of the Stevens Institute, as a convenient and suitable place. Dr. MORSON at once put the Institute Building at the disposal of the Society.

APPENDIX.

Extracts from the rules recommended by the preliminary meeting to the Committee on Organization,

MEMBERSHIP.

- ART. 2. The Society shall consist of Members, Honorary Members, Associates and Juniors.
- ART. 3. Members and Honorary Members shall be professional Mechanical, Civil, Military and Mining Engineers and Architects.
- ART. 4. To be eligible as a *Member*, the candidate must have been in the practice of his profession for at least seven years, not merely as a skillful workman, but as qualified to design and execute engineering work, and he must have been in responsible charge of work in his branch of engineering.
- ART. 5. *Honorary Members*, not exceeding 25 in number, may be elected. They must be persons of acknowledged professional eminence, who have virtually retired from practice.
- ART. 6. To be eligible as an *Associate*, the candidate must have such a scientific or commercial connection with applied science, as will qualify him to co-operate with engineers in the advancement of professional knowledge.
- ART. 7. To be eligible as a *Junior*, the candidate must have been in the practice of engineering for at least two years, or he must be a graduate of an engineering school. [The term "Junior" applies to the professional experience, and not to the age of the candidate. Juniors may become eligible to membership.]
- ART. 8. All Members and Associates shall be equally entitled to the privileges of membership, provided that Honorary Members who are not also Members or Associates, and Juniors, shall not be entitled to vote, nor to be Members of the Council.

FEEES AND DUES.

- ART. 18. The initiation fee of Members and Associates shall be \$15, and their annual dues shall be \$10 per year, payable in advance at the annual meeting, *provided* that persons elected at the meeting following the annual meeting shall pay \$8, and persons elected at the meeting preceding the annual meeting shall pay \$4, as dues for the current year. The initiation fee of Juniors shall be \$10, and their annual dues shall be \$5 per year, payable in advance. Any Member or Associate may become, by the payment of \$150 at any one time, a life Member or Associate, and shall not be liable thereafter to annual dues.

(The rules also provide that the annual meeting shall be held in New York, but that the two other regular meetings shall be held where and when the Council may determine.)

Comm. Society of Prof. Engrs

The American Society of Mechanical Engineers.

90 FULTON STREET,

New York, *Apr 15* 1880.

Dear Sir:

I have been requested to inform you that your application will be placed in the hands of the Council at their first meeting.

Very Respectfully,

Lycurgus D. Moore Treas.

Frederick City 4. 22. 1880.

Prof. Edison

Dear Sir

May I have the pleasure of informing you that you are elected as an honorary member of the "Sodalitas Fredericopolis," of which acceptance you will please acknowledge. We also solicit a small contribution to help our fund.

We remain very Respt.

E. D. Shriner Secy.
Frederick City
Md.

Box 160

TREASURER'S OFFICE,
96 Fulton Street.

New York, May 12 1880

Mr. Thos. A. Edison, West Park.

To The American Society of Mechanical Engineers. Dr.

Initiation Fee, as Life Member \$ 150.00

Received Payment of
Lefurgas B. Moore
Treas.

Send check

The American Society of Mechanical Engineers.

TREASURER'S OFFICE, 96 FULTON STREET

ck
did you send
of that

NEW YORK 1880.

DEAR SIR :

*Yes send check
I think what about
this*

The Council of the Society at a meeting held in New York, April 19, resolved to publish in pamphlet form as soon as possible, the names and addresses of the officers, members, associates and juniors of the Society; also the Rules as adopted by the organizing meeting, April 7, 1880. It is believed that the distribution of this pamphlet will advance the interests of the Society more than any thing else that can be done prior to the annual meeting in November. For this purpose immediate funds are necessary. When remitting for the enclosed Bill, please address the Treasurer of the Society, giving accurate particulars of your title, firm, or occupation, also, your full post office address, for publication in the catalogue of the Society.

The Committee also request that you will kindly forward them at the earliest date possible, (if not already forwarded) a written statement of your professional experience and various business connections, as required by the Rules of the Society.

Respectfully Yours,

LYCURGUS B. MOORE,

Treasurer

A.E.
What about this?
eg

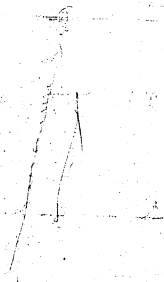
NY May - 1880

George B. Moore

and sent

check 150

1880
1881
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1889
1890



AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

TWENTY-NINTH MEETING,

TO BE HELD AT BOSTON, MASSACHUSETTS, AUGUST, 1880.

In conformity with the vote at the last meeting, the TWENTY-NINTH MEETING of the ASSOCIATION will be held at BOSTON, MASS., commencing at 10 o'clock, A. M., on *Wednesday the 25th of August, 1880*. A large and efficient Local Committee has been formed and through its several subcommittees is engaged in perfecting the local arrangements for the meeting, which will be announced by special circular as early as possible. It is only necessary to state here that the members of the committee are desirous of doing everything in their power to promote the objects of the Association. As it is generally believed that the Boston meeting will be the largest and probably the most important hitherto held by the Association, every effort will be made by the officers of the Association residing in Boston and vicinity, cooperating with the Local Committee, to prepare a satisfactory general programme for the week (subject to the approval of the Standing Committee) in advance of the meeting, the substance of which will be given in the circular of the Local Committee. To this end several votes were passed at the last meeting of the Standing Committee in Saratoga, and the attention of members is particularly directed to the new classes in relation to titles of papers; also to the probable necessity of forming additional subsections.

The Headquarters of the Association will be at the MASSACHUSETTS INSTITUTE OF TECHNOLOGY, where members will register as soon as possible after arrival. The HOTEL VENDÔME, corner of Commonwealth Ave. and Dartmouth St., has been selected for Hotel Headquarters.

The offices of the LOCAL COMMITTEE and of the PERMANENT SECRETARY will be at the INSTITUTE OF TECHNOLOGY. The General Sessions will be held in HUNTINGTON HALL in the same building. The several Sections, Subsections and Committees will have their places of meeting designated on the programme for Wednesday.

The circular which will soon be issued by the Local Committee will contain full information in relation to Hotels and Boarding Houses in Boston and vicinity with which special arrangements have been made.

The *Permanent Subsection of Chemistry* will be continued at Boston under the chairmanship of Prof. JOHN M. ORDWAY, of Boston.

The *Permanent Subsection of Microscopy* will be presided over by Prof. S. A. LATTIMORE, of Rochester, and the active coöperation of microscopists is requested. Arrangements have been made for the proper care of instruments, etc.

The *Permanent Subsection of Anthropology* will be under the chairmanship of Prof. J. W. POWELL, of Washington. For special circular and information in relation to this subsection, address Judge J. G. HEDDENSON, Secretary, Winchester, Ill.

The attention of entomologists is directed to the annual meeting of the ENTOMOLOGICAL CLUB of the ASSOCIATION, which will be held at the rooms of the Boston Society of Natural History at 2 o'clock, on Tuesday, August 24th, at which all interested are invited to be present. Mr. S. H. SCUDDER, of Cambridge; President, Mr. B. P. MANN, of Cambridge, Secretary of the Club. (A special circular concerning this meeting will be sent to all requesting it.)

At the Saratoga meeting the desirability of forming a new subsection in the Association, which should be devoted to *Physiology and Anatomy*, was discussed with the special object of inducing members interested in Human Physiology to bring their papers before the Association and also of obtaining the active coöperation of Physicians and Surgeons in the work of the Association. The interest taken in the proposition at Saratoga was such that a permanent organization of the new subsection is expected

at the Boston meeting. It will also, probably, be found necessary to form a subsection of Geology and Physical Geography at the Boston meeting.

Several excursions will be arranged for by the Local Committee. Among others, one is planned for Salem and another down the Harbor. On Thursday, the Association will probably hold a morning session in Cambridge, after which visits will be made to the various departments and Museums of the University, followed by a reception at the Botanic Garden and the Observatory in the evening.

All communications relating to the local arrangements for the Boston meeting must be made to the *Local Secretaries* at Boston, while all matters relating to membership and to the presentation of papers will be attended to by the *Permanent Secretary*.

Attention is specially requested to the following articles of the Constitution of the Association.

Art. 3. Any person may become a Member of the Association upon recommendation in writing by two members or fellows, nomination by the Standing Committee, and election by a majority of the members and fellows present in general session.

(Blank forms for recommendation to membership will be furnished on application to the Permanent and Local Secretaries, and, until the day of the meeting, they will receive the recommendations for the General Secretary; after the meeting has begun, recommendations must be given to the General Secretary.)

Art. 4. Fellows shall be nominated by the Standing Committee from such of the members as are professionally engaged in science, or have by their labors aided in advancing sciences. The election of fellows shall be by ballot, and a majority vote of the members and fellows present in general session.

Art. 5. Any person paying to the Association the sum of one thousand dollars shall be classed as a Patron, and shall be entitled to all the privileges of a member and to all its publications.

Art. 7. The name of any member or fellow two years in arrears for annual dues shall be erased from the list of the Association, provided that two notices of delinquency, at an interval of at least three months, shall have been given; and so such person shall be restored until he has paid his arrearages or has been re-elected.

Art. 23. The admission fee for members shall be five dollars in addition to the annual assessment. On the election of any member as a fellow an additional fee of two dollars shall be paid.

Art. 24. The annual assessment for members and fellows shall be three dollars.

Art. 25. Any member or fellow who shall pay the sum of fifty dollars to the Association, at any one time, shall become a Life Member, and as such shall be exempt from all further assessments, and shall be entitled to the Proceedings of the Association. All money thus received shall be invested as a permanent fund, the income of which shall be used only to assist in original research, unless otherwise directed by unanimous vote of the Standing Committee.

Art. 26. All admission fees and assessments must be paid to the Permanent Secretary, who shall give proper receipts for the same.

Art. 27. All members and fellows must forward to the Permanent Secretary, as early as possible, and when practicable before the convening of the Association, full titles of all the papers which they propose to present during the meeting, with a statement of the time that each will occupy in delivery, and also such abstracts of their contents as will give a general idea of their nature; and no title shall be referred by the Standing Committee to the Sectional Committee until an abstract of the paper or the paper itself has been received.

(Blank forms for giving the titles and abstracts of papers will be furnished by the Permanent Secretary on application. The Standing Committee particularly request, in order to facilitate the arrangement of the programme, that the titles and abstracts should be forwarded so as to reach the Permanent Secretary before August 1st. At the Saratoga meeting the Permanent Secretary was instructed not to enter, on the list of papers to be presented, any titles of papers until an abstract of the paper, or the paper itself, was received.)

Notice of errors in the printed list of Members of the Association, of change of address, and information respecting the decease of Members, should be sent to the Permanent Secretary in order that due notice may be taken of the same in the next volume of "Proceedings." It is particularly requested that the Permanent Secretary be notified at once of any errors in the names and addresses that will be given in the list in the Saratoga volume, as a revised edition of the list will be printed for circulation at the Boston meeting.

The Saratoga volume (vol. 28) will soon be distributed by mail to every member who has paid the assessment for the Saratoga meeting.

The volumes of the Proceedings of the Association (28 in number) can be obtained from the Permanent Secretary, at the price of \$1.50 a volume; or any member wishing for ten or more volumes, in order to complete a set, may obtain them at \$1.00 a volume. The volumes may be had bound in cloth for the extra price of 50 cts. each, or in one-half Turkey morocco for the extra price of \$1.00 each. Uniform cloth covers for the volumes will be furnished by mail at 20 cts. each, or by express or at the meetings for 25 cts. each. Copies of Volumes 2 and 21 will be received in exchange for other volumes or will be purchased at \$1.00 each.

The Memoir on Fossil Butterflies, by Mr. S. H. Scudder, published by the donation of Mrs. Elizabeth Thompson, 4to, 1875, will be furnished at \$2.00 a copy. The Transactions of the Association of Geologists and Naturalists, 1 vol., 8vo, 1840, bound in cloth, can be obtained at \$3.00 a copy.

It will save much time and confusion at the meeting if members will send their assessments *in advance* to the Permanent Secretary, in return for which a Member's ticket, bearing a receipt for the Boston meeting, will be forwarded. Members not intending to be present at Boston are particularly requested to send their assessment in advance, and to those who specially request the same a copy of the Boston Daily Programme will be mailed.

The address of the PERMANENT SECRETARY will be Salem, Mass., until August 1st; after that time, and until the meeting has adjourned, his office will be at the MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Boston, Mass.

F. W. PUTNAM,

Permanent Secretary.

SALEM, MASS., JUNE 15, 1880.

OFFICERS OF THE BOSTON MEETING.

President.—LEWIS H. MORGAN, of Rochester, N. Y.
Vice President, Section A.—ASAPH HALL, of Washington, D. C.
Vice President, Section B.—ALEXANDER AGASSIZ, of Cambridge, Mass.
Chairman of Permanent Subsection of Chemistry.—JOHN M. OHMWAY, of Boston, Mass.
Chairman of Permanent Subsection of Microscopy.—S. A. LATTIMORE, of Rochester, N. Y.
Chairman of Permanent Subsection of Anthropology.—J. W. POWELL, of Washington, D. C.
Permanent Secretary.—F. W. PUTNAM, of Cambridge, Mass.
General Secretary.—JOHN K. REES, of St. Louis, Mo.
Secretary of Section A.—HENRY B. NASON, of Troy, N. Y.
Secretary of Section B.—U. V. RILEY, of St. Louis, Mo.
Secretary of Subsection of Chemistry.—CHARLES E. MUNROE, of Annapolis, Md.
Secretary of Subsection of Microscopy.—A. B. HERVEY, of Taunton, Mass.
Secretary of Subsection of Anthropology.—J. G. HENDERSON, of Winchester, Ill.
Treasurer.—WILLIAM S. VAUX, of Philadelphia, Pa.

STANDING COMMITTEE.

Past Presidents.—BENJAMIN PRICH, of Cambridge; JAMES D. DANA, of New Haven; JAMES HALL, of Albany; STEPHEN ALEXANDER, of Princeton; ISAAC LEA, of Philadelphia; F. A. P. BARNARD, of New York; J. S. NEWBERRY, of New York; B. A. GOULD, of Boston; T. STREYER HUNT, of Montreal; ASA GRAY, of Cambridge; J. LAWRENCE SMITH, of Louisville; JOSEPH LOVERING, of Cambridge; JOHN L. LACONTE, of Philadelphia; J. H. HILDRETH, of Washington; WILLIAM B. ROGERS, of Boston; SIMON NEWCOMB, of Washington; C. C. MERRILL, of New Haven.

The President, Vice Presidents, Permanent and General Secretaries, the Secretaries of Sections A and B, and Treasurer of the Meeting.

Officers of the Preceding Meetings.—GEORGE F. BARBER, of Philadelphia; S. P. LANDLEY, of Allegheny; J. W. POWELL, of Washington; H. CARHINGTON BOLTON, of Hartford; W. H. DALL, of Washington.

From the Association at large.—Six Fellows to be elected on the first day of the meeting.

SPECIAL NOTICE TO THE MEMBERS OF THE STANDING COMMITTEE.

The Constitution requires that the Standing Committee shall meet on the *day preceding* each Annual meeting of the Association and arrange the programme for the first day of the session. There will therefore be a meeting of the Standing Committee at the INSTITUTE OF TECHNOLOGY, Boston, on *Tuesday, AUGUST 24th*, at 11 A. M., at which it is expected that every member of the Committee will be present, if possible.

By order of the President a Special Meeting of such members of the Standing Committee as can conveniently attend is hereby called at the INSTITUTE OF TECHNOLOGY, Boston, on August 24th, at 11 o'clock.

F. W. PUTNAM, *Perm. Sec'y.*

OFFICERS OF THE
LOCAL COMMITTEE
FOR THE BOSTON MEETING.

PROF. WILLIAM B. ROGERS, *Chairman*.
MR. CHARLES W. SCUDDER, *Treasurer*.
MR. SAMUEL H. SCUDDER, } *Secretaries*. Address NATURAL HISTORY
MR. EDWARD BURGESS, } SOCIETY, Boston, Mass.

SUBCOMMITTEES.

On Reception.

MAYOR F. O. PRINCE, *Chairman*; and MR. NATHAN APPLETON, *Secretary*.

On Finance.

HON. JOHN CUMMINGS, *Chairman*; and MR. SAMUEL WELLS, *Secretary*.

On Railroads.

GEN. A. P. ROCKWELL, *Chairman*; and DR. J. R. CHADWICK, *Secretary*.

On Hotels and Lodgings.

GEN. FRANCIS A. OSBORN, *Chairman*; and MR. E. T. BOUVÉ, *Secretary*.

On Rooms for Meetings.

PROF. J. M. ORDWAY, *Chairman*; and PROF. R. H. RICHARDS, *Secretary*.

On Mails, Telegraph, and Express.

PROF. C. R. CROSS, *Chairman*; and DR. CLARENCE J. BLAKE, *Secretary*.

On Excursions.

MR. EDWARD ATKINSON, *Chairman*; and MR. HAMILTON A. HILL, *Secretary*.

Cambridge Committee.

MR. ALEXANDER AGASSIZ, *Chairman*; and PROF. E. C. PICKERING, *Secretary*.

Salem Committee.

DR. HENRY WHEATLAND, *Chairman*; and MR. RICHARD C. MANNING, *Secretary*.

The above, with the PERMANENT SECRETARY of the Association, form the Executive Committee of the Local Committee, which consists of over three hundred other gentlemen and ladies.

Amosium (Chair for Amosium) of
Science

check

International Association for the Advancement of Science.
OFFICE OF THE PERMANENT SECRETARY.

1880

November, 1880.

The rules of the Association require that the names of all members and officers five years in arrears for annual dues shall be dropped from the list of members and not restored until all arrears in full have been paid, but as it is very desirable to have a special statement sent to those intending to withdraw from the Association, this notice is sent to all those not over five years in arrears with the hope that many, that in arrears through inadvertence, will remit the due dues and have their names continued on the list of members. The payment of the arrearages of \$3.00 entitles the member to a copy of the volume of Proceedings for the meeting corresponding to the meeting the annual volume of Proceedings. The Boston Meeting will begin on August 6th. The amount for that meeting can be paid in advance.

books

K. W. PUTNAM, Permanent Secretary, A. S. A. S.

You are on the books of the Association as in arrears for the following Meetings:

BOSTON, 1874	\$3.00
PHILADELPHIA, 1875	3.00
ST. LOUIS, 1876	3.00
PHILADELPHIA, 1877	3.00
<i>Boston</i>	3.00
Total	\$15.00

The address of the Permanent Secretary is Administrative Institute of Technology, Boston, Mass., through the post-office at Newburgh, New York, N. Y.

1880. Edison, T.A. - Creditors (D-80-013) [not filmed]

This folder contains correspondence relating to unpaid bills.

1880. Edison, T.A. - Employment (D-80-014)

This folder contains correspondence from or about employees and prospective employees.

All letters that contain a significant response by Edison or that are from individuals associated with Edison have been filmed, as well as correspondence from individuals who were subsequently employed by Edison. Approximately one-third of the documents have been filmed.

The Anglo-American Telegraph Company
[LIMITED.]
1st Class
Dunbury Station, Jan 3rd 1880

Dear Sir,

I wish to get employment
in some electrical works. If you have
a vacancy in your laboratory I should
like to fill it. I am at present
in the Anglo American Tel. Co. Dunbury
as Mechanician, have been here 10 $\frac{1}{2}$
years. I have a practical knowledge
of Electricity, Systems, etc, as well as the
principle electrical instruments. Have
entire charge of the working of this
station. Am of an inventive turn of
mind. My improvements in cable nets
have been in use here for 5 years
Present salary \$1200 per annum -
Married. Can come on for

interview if you wish it. In
case you should wish to employ
me, I should have to give my
present employers due notice.

Yours Truly,
Chas. F. Smith.

J. Tho. A. Edison Esq.
Wool Park.

Can give you a position
I think in less than
60 days at a better
salary. will notify you

30 days ahead if I
can get you the position
to an Electric light

T. A. EDISON.

Menlo Park, N. J.,

1880.

May Wilbur
519 7th St -

Washington D.C.

Can we have the man you
spoke to carman for the factory
and when

Edison

E Phila Jay's?
Wm Holzer
a July 7

Philadelphia July 6th 1850
Thos Edison Esq.
New York.

Reading an
abstract from the Hartford Times,
that you had in your employ, a
German Glass-Blower, brought over
from the works where the Geissler
tubes are made, I concluded to
write to you upon that subject.
I have had 15 years practical
experience in Glass-Blowing and
up to a few years since carried on
the largest establishment in Phila
manufacturing Glassware by Blow Pipe
for chemical & Philosophical purposes
and have also made a large number
of Geissler tubes.

Being out of business at present
I am open to an engagement
should you at any time require
my services in the manufacture of
your Lamps etc. I would be pleased
to hear from you either by letter or
if you so desire will come in for
an interview.

Very Respectfully

J. M. Holzer

1313 Market St. Phila



KAY, Mc KNIGHT & CO.,
Machinery and Supplies,
80 WATER STREET,
PITTSBURGH, PA.

Thos. A. Edison

Jan 6th 1880.

Myrtle Park N. J.

Dear Sir:

Among your many
and varied enterprises, do you
think you could find a place
for me, I am as you know a
machinist by trade, and an
engineer by education and practice.
I have been a salesman ever since
I became acquainted with you,
which was when you went over
to the city.

I can make a living out
here but no more, and the climate
does not suit my families
health, and therefore I want

(10)

Wm 15 - Jarboe
Jan 6, 1888
to go east again.

I am willing to work
both night and day for anything
that will pay for this work.

Yours

Walter S. Jarboe
formerly
Attorney at Law

Address.

145 Sheffield St
Allegheny Pa.

Philadelphia Pa 20

J. A. Edison Esq.

Menlo Park N. J.

Dear Sir

Your favor of the 15th has
come to hand; In reply would
say that I will call on you
on Monday or Tuesday of next week

Very Respectfully

W^m Holzer

A Glassblower
from Phila

THE Wrote
for him

of
NY July 11, 50
Wm McAllister
Ans^d Feb 12, 50
(Good Strong letter)

New York, Feb. 11th 1850.

Mr. Thos. A. Edison,
Menlo Park, N. J.

Dear Sir,

I am a Civil Engineer by education & profession & am desirous of obtaining a position in your business or with some one of the concerns in which you are interested. I was for some time with Mr. Hamilton C. Towle, Civil & Mfg Engineer & Patent Expert. I went to Europe for him & remained there a year attending to his foreign patent business, making contracts, & introducing patents. I travelled in England,

Germany, France, Switzerland, Belgium & Holland. I graduated at the Reusslaer Polytechnic Institute as a Civil Engineer & have in consequence a thorough theoretical knowledge of electricity & machinery. I also have a practical knowledge of both by experience.

I am a fair Telegraph operator & understand the erection & ~~good~~ management of telegraph lines, as I have done both. I am a good draughtsman in every particular. I am now with Mr. Samuel Hay, Mechanical Engineer, Cor. Broadway & John St. - this city. Mr. Loden who is about to sail for Europe for you is acquainted with friends of mine; John Ott, machinist, now with you was with Mr. Towle while I was & will

probably remember me; Mr. Charles Chew is also well acquainted with those who know me in ~~a~~ business & private life one of whom is Mr. John B. Benton 38 Cortlandt St. Civ. & Mech. Eng. I can give you any amount of reference as to character & ability; I will only mention R. G. Curson, C.E. 196 B'way, & Mr. J. R. Smith Vice Pres Star Fire Ins. Co. 141 B'way, & Messrs Haseltine, Lake & Co. patent attorneys & Southampton Bldg, London, E.C. England. Trusting that in case you have no vacancy you will put this application on file I remain

Respectfully yours,
William M. Allaire.

358 N. 32nd St.

The Anglo-American Telegraph Company,

[LIMITED.]

Quincy Station, Feb. 13th 1880

Dear Sir,

You requested me to
drop you a line today, to remind
you of my application for a
position. See my letter of 3rd ult.
If you still have some positions
in view, I should, at your convenience,
like to see you personally about
it.

Yours Truly,
Chas. F. Curtis.

To J. A. Edison Esq
Windsor Park

ap Fordham NY Mar 20 1880
Brownlynes
a Mar 24 80

Fordham, New York City.
March 20, 1880.

Mr. Tho. A. Edison,
My dear sir,-

I write to inquire if you have any vacancy in which you could make use of my services- I am, as I believe you are aware a graduate of the Stevens Institute and have until lately been a Fellow of the Johns Hopkins University. - If you have need of any such help as I could afford you - I would be glad of an opportunity to state my qualifications more in detail either personally or by letter. - I will only say I am familiar with telegraphic

0204 1011 PM mch 27 90
Dear Donjon

Thank you for your letter
- and am a fair horse operator
A word in reply will oblige
Very truly yours
Bromi Hayes.

1204 1011 PM mch 27 90
Dear Donjon
I received your letter of the 26th
- and am a fair horse operator

I am sorry to hear of
the trouble you are having
with your horse. I am
glad to hear that you
are a fair horse operator
and I hope you will
be able to get your
horse back to work soon.
I will be glad to help
you in any way I can.
I am sure you will
be able to get your
horse back to work soon.
I will be glad to help
you in any way I can.
I am sure you will
be able to get your
horse back to work soon.

New York Mch. 26th 1880.

Prof. Thos. A. Edison,
Menlo Park, N. J.

Dear Sir,

Several weeks since I made application to you for employment by a letter which you were so kind as to answer, saying you would place my application on file. I beg to submit the enclosed note with its endorsement which if you will also kindly consider or place on file I shall be much obliged to you.

Respectfully yours,
William H. Allaire.

358 7th 32nd St.

DODGE, POTTER & CO.,
BANKERS
AND
COMMISSION MERCHANTS.

34 PINE STREET,

Stenographic Letter of Partner.

NEW YORK, March 25 1880

Dear Sir,

The bearer, Mr Wm M. Alcaine,
is desirous of applying for a position
in connection with the "Edison Electric Light Co."

I believe him to be a young man of
strict integrity and considerable ability.

He passed through the "Rensselaer Poly-
technic Institute", at Troy, NY, where he
graduated as a "Civil Engineer".

His connections are first class.

Could you kindly give him a
note to Mr Edison, which would no
doubt be of great service to him, in
his proposed plans - and oblige,

Very truly Yours,

Chas. C. Dodge

Exco. B. Prescott Esq
195 Broadway,
City

[ENCLOSURE]

Respectfully refers
to Prof. Thos. A. Edison.
I know Genl. Dodge, who
writes this note, and consider
him my good authority
in a matter of this kind

March 26. 801
Honor Green

copy to me
L. L. C. 1880
File away
6... Lombard Street, E.C. 4
London, 7th April 1880
F. W. Dawson Esq
Bankers
New Jersey

Dear Sir

Mr. Johnson handed
me your cable saying if I could
"can translate French conditions"
to which I was unfortunately
compelled to reply "No."
You will have understood
from this that I cannot
translate French, which I
very much regret.

I am sorry that you
should have had the trouble
of cabling without any result
Yours truly
Samuel Insull

dp
My June 23. 80
Hollaway

June 23rd 1880
J. A. Hollaway

Sir, Pardon the
liberty I take in writing
these few lines to you.
I am a machinist &
spend my time at Mess.
Dickinson's Paper & Envelope
manufacturers, New York City, Eng.
Has charge of the fitting up
of Envelope machines, engines etc.
both heavy light machinist.
Also in the tool & mold depart-
ment. I worked in New York
during the war and then
returned to my old job.

Now I have never worked
in any Electric works, but

have been dabbling in it during all my spare time for years, and was the first to show the electric light in my part of the Country. I have been back in New York about nine months and am employed by Messrs. Printing Press makers - but would prefer lighter work. I can supply you with first-class specimens. Messrs. will vouch for my ability & respectability if necessary. I can send to the other side for further credentials - I will reach you through the courtesy of Messrs. Jenkins of Dexter Morgan & Co. and should you think it worth

your while kindly answer through the same channel. If you think I would be of any use to you, my services will be at your disposal immediately - or whenever you have a vacancy. I trust I ~~shall~~ ^{can} not encroach on your valuable time too much.

I remain
Very respectfully Yours
J. Holloway
436 Sixth Ave
New York City

MANAGER & SECRETARY,
ARNOLD WHITE.

The Edison Telephone Company of London, Limited
Incorporated in Great Britain
11, Queen Victoria Street, E.C. 4.
London. 18

My Dr Edison & Patch

Please take care that nothing
concerning Insull's application
for a position with you reaches
you - I might prejudice
him -

Also bear in mind that
all my correspondence to
you - & other correspondence
to me while there - is kept
confidential

Yours John

Tonden July 1-50
E. Johnson
W. A. W.

Will see what I can do

T. A. Edison Esq

Dear Sir

It will be nine years this fall when I began to rebuild the Universal Private Line Printers for the Gold & Rock Telegraph company - I have since stuck to them like glue, and with the new Company now on the verge of going down with the printers. It is now only a matter of a few months and the best of them will be taken in & Phones put in their place. The phones do not require the same class of attention as the printers, hence Horse car conductors will make pretty good inspectors -

My knowledge of Electricity - Chemistry & Civil Engineering ought to bring me in something better than the Telephone inspectorship which is now in view for me.

Hence I earnestly request that you will give me a chance at something where my knowledge in the above will be brought to a better advantage try me again for another eight year term

Yours L. G. Wagner

July 27/90

145 East 103 St

Acce Mungel

Care of Wm Mungel

Coon Broad Street

Mr. Mungel 28 8th Dec

Dear Sir

If you are wanting someone
to build if you wish to come
I should like to see you as soon
as possible
Otherwise please let me hear
at once

Truly yours

J. H. Mearns

AK 27R

July 9, 1880

H. Baron

236 East 104th Street

You can have a job for
30¢ an hour if you wish,
Come as soon as possible
Let me know in case
that you are not inclined to
come

Truly yours

J. H. Mearns

AK

AK

July 26, 80

R. Ehrlich Esq.
18 Coles street
Jersey City.

Dear Sir

The man I have
engaged when your
application was recd.
has not come and
is that place vacant.
If you are willing
to take it please
come on Monday

T. A. E.

[Signature]
July 31, 1880

R. Ehrlich (July 1880)
18 Coles street
Jersey City

In answer to yours of the 18th
^{received day}
We have no room just
now but may find a chance
for you, in a short time,
I will ~~let you know~~
write you

Truly yours
T. A. E.
p. K. M. M.

EXECUTIVE OFFICES

Allemaire Fertilizer Company,

33 CEDAR STREET,

ALBERT SPEYERS,
President.

EDWIN M. FOX,
Secretary.

FRANCIS W. JACOBS,
Treasurer.

New York Aug 9 1880

My dear Edison;

I wrote Crosby a letter to
Kenner last week giving him a piece of my
mind for leaving your laboratory and telling
him it embarrassed me as it was I who
got him in your employ. I told him if he
remained there I would never have anything
more to do with him but if he would return
I would give him a position in the Fertilizer
Co. as agent. He replied promptly disavowing
strongly any desire to reveal any secrets
he might have learned in the laboratory and
wound up by saying he would at once
start for Newport. Yesterday he arrived
here. Lawson however remained.

Did you get the sample of alle-
maire I send you the other day?

What do you think of it?

How is the Motor Co. progressing?

My friend
Edwin M. Fox

Andrew Torbanc
Rahway N.J.
Chas. W. Burdack
Woodbridge N.J.

If you want to be engaged
as an apprentice in our
Lamps factory, come
right ~~away~~
apply to J. K.

Aug 10

W. W. D. Sterling Place.
Brooklyn N. Y. Aug 11th 1880

0821/101 paid

C. A. Edison Esq

Dear Sir

Are you
in want of help at the present
time, if so should be pleased to
engage with you. I am well
versed in Pattern Making and
general Machine work. can work
either Wood or Metals, could
responsibly give you entire
satisfaction were an oppor-
tunity extended to me.

Can come at once - if wanted.

Please reply by return mail and oblige.

Yours Respect-
H. W. Oliver

Answer this letter
we are not in need of
help now but will file
his appl. & write him
if we want a man

Plus

Aug 11 1880

E. Earnest

~~Buff~~

Albert Mitchell
74 Ave "A." N. Y.

Will pay firm \$15.00
per week to start on and
pay firm more if his work
proves to be worth more.
If he is willing, come out
him to cause immediately
T. A. E.

W. L. G.

Mr. Edison

74 Avenue A.
New York, Sept. 3rd 1880.

J. A. Edison, Esq.

Dear Sir:

Your of to-
day duly received. Will be
there by Monday the 6th.
ind.

Very respectfully,
Your obed^t serv^t
Albert Hetschel.

Mr. Parman

Writes Chas. Baetz
a note that his
services are not
longer required
after Saturday.
And send it to him in
a sealed envelope tomorrow.

Illness
Sept 17th 1880

CR

Albany Oct. 14. 56. 1856.

Wm. T. A. Edison D.D.

Dear sir,

Reviewing the best time
a kind of treatment of some of
your assistants which on many
any sense of honor or fear and
building the very things are en-
raged in the line I work; which put
me in a peculiar position I feel
obliged to write this letter. About
two weeks ago a man who had
been my assistant for nearly half
a year wanted to strike me down
and break my neck without any
cause in Mr. Potts presence. Feb.

day Mr. Bates and I had a disagree-
ment from a cause not worth to
be mentioned which went so far
that I had to hear that you were
a dem side better off if I were
not here. If not in my line
I do not want to be looked at
people that understand less than
I or nothing of it, I think I gave
sufficient proof that I under-
stand my line very well. I saw
that things are managed by ignorant
parties in very bad ways
to you I tell you only the last thing
you know off already, the car-
tester when fixed up, by the
bags: I have no doubt they did
the best they could but a
whole week was that time lost.
The loss of money did not amount
to anything but the delay a

whole week's delay! What I worked
for was progress! I did not work
for progress the last time because
I liked the parties I had to deal
with, not because I liked the treat-
ment I received for the services
I have rendered, but because I
sympathized with you, because
I liked the great problem we
were working on. But nothing
has gone too far for a few
days I take a vacation to go
on my uncle's farm which I
did not see yet. Then I came
back to see whether you agree
with the things decided. In
conclusion I say that I do not
want higher wages and that
I do not want to interfere
with parties manufacturing
Remaining your obedient
Ludwig H. Baber

W. Lockman
Certs

Fulling

Metairie, Oct. 20th 1882

J. M. Thos. B. Cassan, P. D.

Dear sir,

I have by inform you
that I am leaving a Paula Park
and your services on Friday
next. The reasons may be known
to you already. I wish to
thank you for the
services I have rendered and
am convinced that some of
your assistants and I could not
agree for any length of time.
I therefore give up my present
position. Enclosed you will
also find a letter which I

wrote already last week.

I am sir,
very respectfully yours

Ludwig H. Böhm



B. President St. Oct. 29. 50.

File

M. Tros. to Edison B. D.

Dear Sir:

Having neglected to ask
You for a reference I kindly request
You to write one for me at Your
leisure. I will be in South Park
by to-morrow evening and should
very much like to have it then.

Remaining

Yours Very Respectfully

Henry W. Edison

(Oct 1850)

This is to Certify that
Hon. Frank H. Merrill
has been engaged as
Engineer in the construction
and gave satisfaction
in every respect.
He leaves the position
on his own accord

F. A. Edison
per J. H. ...

OSCAR BOOE

Glasmacher

LICHTENHAIN bei Oberweissbach

in Thüringen.

Lichtenhain bei Oberweissbach, den 17. December 1858.

in Thüringen

Herrn Weissner in New-York

Da Ihre genaue Adresse mir unbekannt ist,
wende ich mich auf diesem Wege, durch Freundes Hand,
mit dem Namen als Glasbläser neu empfohlen.

Früher habe ich erfahren, dass ein holländischer
Haus durch einen anderen Glasbläser beschafft, dann
daselbst aber nicht, vermuthete aber, dass Sie
es immer so ist.

Längere Zeit im unermüdeten Bestreben nach
fortwährender, bin ich hier selbst dabei,
wie ich sehe da ein kleines Geschäft in meinem Namen,
mehren theilweise & sonstigen Bläseren, da aber
Deutschland in dieser Hinsicht zurückgefallen ist, so bin
ich gesonnen unter günstigen Bedingungen nach
Amerika zu gehen.

Einige Jahre bei Weissler in Berlin gearbeitet, bin
ich in allen Hinsichten ergründet, was die electrischen
& weissen schmelzenden Capillarmaschinen referirlich ist,
ebenso in Thennmelken, Barmelken u. d. gl. Jahre
ein Geschäft solcher Fabrication durch meine Leistung

1800 41200

Postamt No. 17. 17. 17. 17. 17.

beizubringen zu können.
 Sollten Sie daher mehr in Ihre Arbeit anstellen können
 & wollen, so bitte Sie, mir Ihre Bedingungen zu stellen &
 gef. mitzutheilen.
 Die gegenseitigen Abwesenheiten können natürlich bei
 Ihnen einbilden.
 Ihnen gef. umgehend eine Nachricht von mir zu senden,
 miches

G. Hoffmann
 Ober-Post

17
 Hoffmann
 Ober-Post
 17

Mr Griffin

Dear

The enclosed
letter was handed me
by Mr Fred J Weiss c/o
316 E 84th St NY City -

My reply to the
same can be addressed
to him if

Maguire

Pat's man has worked
with Currier - he is in
from blower wants a situation

Griffin

Griffin

Tell this man that we use a great many glassblowers but we cannot promise him anything. ~~His~~ His experience with previous Geisler glassblowers is anything but satisfactory for manufacturing work.

We find it a great deal easier to break in new men on our work than try to get experimental men to do manufacturing work.

Or about this

Batchelor

For the present we are
fully supplied but will
need you exp. in full
there may be a man
under your capacity wanted
in a short time

CRB
Wm B
~~W B~~

Frank Martin

Under
W B

J. T. Vail

Montrose
P. O. Locust

You can have as I think a
suitable job now come
immediately

CRB
P Dec 27th J. Krueger
1880

81
Smith and Rodgers
120 Broadway N.Y.

Martin Van Buren
ask about his ability
and character and if he
is perfectly reliable

OK R
Dec 28th 1880

Martin Van Buren
Care of J. B. Smith & Rodgers
120 Broadway N.Y.

We are about to engage
^{to take charge of engines}
^{of boiler cot.} an Engineer of your ~~firm~~
wish to take
the position come and
here and see Mr. Kruedi

F.A.E.
OK R
Dec 30.

(Dec. 1880)

Messrs. Babcock & Wilcox

Can you recommend as a first class
Engine and boiler at a cost of
to fire with just coal.

An early answer will oblige yours

125
37
44
21

36.11

Truly

T. G. Bolson

Geo. Winkler

No 107 East 4th street
New York

There is an opening in our
shop now if you wish to
take the chance come
immediately if not please
let me know by return
mail

T. G. B.
per Thruer

W R

Dec (1880)

T. A. EDISON,

Mt. Park, N. J., _____ 1880.

Mr Edison
Mr Hadden is
considerable expense to you
and as far as I can see
the work is for himself
suppose we let him go
this week

D. C.

Carman:

Please say Hadden off

I have nothing for him to do.

TAE

1880. Edison, T.A. - Family (D-80-015)

This folder contains correspondence and other documents by and about Edison's family. Related material can be found in D-80-040 (Railroad - Port Huron Railway Company).

All the documents have been filmed.

No repetition
No answer
file Bradford Iowa

Jan 15th 1880

J. A. Edison Esq

Dear Cousin

As I have a few leisure moments and have just been reading about your great invention thought I would write and see if you could not give me ~~some~~ enough to pay my board and give me a chance to study evenings and at other times when at home as I am poor and cannot devote one of my times as I would like to About one year ago I invented a gas machine for manufacturing gas and took in a partner who agreed to furnish the money to get it patented and who got it patented in his own name and threw me out and left the country have not heard from him since

P.S. Mr Edison
Jr. Sr.

I will place my relation to you which is some what distant that is this for my father is your first Cousin which makes me your second Cousin my father's father's name was Henry Edison who now lives in Canada.

I remember seeing you once three or four years ago I was clerking in P. M. Edison's Store at Fort Snedden Michigan You do not remember it perfectly as it was some time ago

I was very sorry when I heard of little Charles death for he was a smart little fellow

As time is tinting with shades of evening I shall
have to close by asking you to help me if in
your power my age is 22 years old I know I can
do in my goal of perfection at what ever you set
me to and can attend to my study with
ease & ease.

Mr Edwin

Please answer this at
once and let me know if you can give me employ
I will come at once and oblige

Yours faithfully
Edwin

Address

Bradford

Iowa

Chickasaw Co

of
Prof. J. H. ...
Edwin

Wenona Park N.J. 1-22-80
Received from O.A. Edison
checks to amount of three
hundred and twenty five dollars

Samuel Edison

you may show
this letter to Al
if you ~~change~~
wish
when you give him the
Reports WPE

Post p. on Jan 23rd 1880

I suppose you got
out your account
& you think that I
you as witnesses
are sure it would
we will say about
our study they have
in Great against

gone out as is you think least
I send you to day the monthly

Statements for the months of November
and December I think they look
well for these land times and we
paid the Danborn Estate \$1000⁰⁰ in Tuesday
last so now we owe them \$400⁰⁰
due in two years from next July
and if we have good luck we can
pay the amt in much less time and
leave the road in splendid condition
I want you to see Al where he is not
very busy and hand the reports to him
soon

Port Huron

Passengers

Baggage

Tickets

Port Huron Jan 23rd 1880

Dear Father

I suppose you got the letter I sent you a few days ago don't you think that I had better get you a insurance policy on the new stove it would not cost much we will say about \$300.⁰⁰ you know everybody has some protection in Great against fire but do as you think best I send you to say the monthly.

Statements for the months of November and December I think they look well for these hard times and we paid the Danborn Estate \$1000.⁰⁰ in Tuesday last so now we owe them \$400.⁰⁰ due in two years from next July and if we have good luck we can pay the amt in much less time and leave the road in splendid condition I want you to see El where he is not very busy and hand this report to him

and have him read them for now
 it begins to look as though we
 might get a dividend before long
 for if I could send him one I would
 through my net as high as the moon
 but no more at present I suppose
 you are having a good time I hope
 so at least remember me to all
 the boys and just take to Griffen &
 Buck there is nothing new here
 worth writing about so I bid
 you a good bye

W.P.E.
 W.P.E.



172307
 482996
 109391

546
 12
 1092
 546
 6552

Street Car No. 22
 for Mary Lee

\$6552
 out 546
 6552

Mr Cary 22 Mich. v. 50
Mrs. A. Abbott
Nov 1850

Cary Branch 12th Feb
Dear Cousin

My letter of inquiry
to you of July 14th did not
explain it self as I did not
know quite certain who I was
addressing. I have this evening
addressed a letter to Uncle
Samuel Eison hoping to
find other friends and relations
in Canada and elsewhere
My Name before marriage
was Melissa Wheeler a
daughter of your aunt
Fannie Elliott my husband
is a Carpenter by trade but
I own a farm and live on it
25 miles from Chicago on
Fox river on the N.W. R.R.

hoping for your prosperity
that you may successfully
light up the world with
your illuminations is
the best words that I can
say. — at any time that
you should feel like dedicating
time to answer this letter
do so. it would give me
great pleasure to receive the
same.

Melissa Abbott

Address
Mrs A. C. Abbott

Cory McHenry Co

J. H. H.

April 17/1880

Miss Alice Stillwell
194 High St-
Newark

Mr. Bing Dotts will you
when you come this afternoon

(Sent)

H. A. Edison

[FROM MARY STELLWELL EDISON]

(May 1898)

OK
M.E.

Darling

I am sorry to trouble
you but I am short of money
Cash & can you raise me
Five or fifteen dollars or if
you cannot do that where
can I get a Check cashed

Ducky

Hippie is at the Office
perhaps she can loan you some
or take a Check

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TELEGRAPHS and DELIVERS messages only on condition, limiting its liability, which here-
tofore has been assumed only in the service of the United States.

Messages are by contract subject only to reporting a message back in the positive status for completion, and the com-
pany will not be held liable for any delay in the transmission of a message or for any error in the trans-
mission unless it can be shown that the message was not received by the company.

A. B. BROWN, Sec'y

NORVIN GREEN, Pres.

Date St Joseph, Ariz. Dec 11/14 1814

Received at St. Louis
by Mrs N Edison

READ THE NOTICE AT THE TOP

Reserve Electric railroad
for Canada until I see
your important reply
quick waiting
Sam'l Edison

13 part
no message

all right
TA Edison

2. Part
11.
275
546

Pr. Am Aug 30/70

Dear Bro

Bro Buchanan wants
me to write you and have you
send send him a bottle of
your Neuralgia Medicine Bro is
here and he says if you dont do
it he will come down and look
you ~~over~~ you know he is blind as a bat

But he suffers awfully with pain in
the head I wish you would send
it by Express

The Road is doing a good
business will send reports about 5th
of Sep. Love to all

W. P. R.

~~Street 9th~~

Broadway + 20th St.
N.Y.

Mealok

Oct 11 1870

Mrs Edison will not be
in until Wednesday or Saturday

J.R. 10/11/70

Edison

~~26~~
~~26~~

1880

Mrs Edison
requests \$30,
Thirty Dollars

150

Saturday

My Dear Mr. Fawcett

Please send me thirty (\$30)
dollars by Beaman, I gave
eighteen dollars of this money
to Mr. C. please tell Fred
to call here about 12.30
for a parcel to take to Mendon

Yours Sincerely
W. Edison

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been annexed to it by the act of the following message, and service can be accepted subject only to signing a transfer note, at the sending station for completion, and the Company will not hold itself liable for errors or omissions in transmission or delivery of Unaccompanied Messages.

This message is an UNACCOMPANIED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. B. BRUCEWICK, Sec'y.

NORVIN GREENE, President.

Dated First End Hotel Ashbury Pk 188

Received at Manila Park

To J. A. Edison

READ THE NOTICE AT THE TOP.

What train are you
coming on tonight
answer

Mrs J. A. Edison

8/collect

1880. Edison, T.A. - Insurance (D-80-016)

This folder contains correspondence and other documents relating to the payment and renewal of Edison's insurance policies.

Approximately one-third of the documents have been filmed. Bills, receipts, and routine correspondence have not been filmed.

MUTUAL BENEFIT LIFE INSURANCE CO.,

OF NEWARK, N. J.

LEWIS C. GROVER, President.

Assets - - - \$25,000,000.

P. LEYENBERGER, STATE AGENT FOR ILLINOIS,

Parker Building, 67 Washington Street,

Chicago, Jan'y 8th 1880

Friend Edison:

I am real glad that you have made such a grand success with your new light. And I can't help but think about you frequently and wish you the best wishes. When one has been through the mill of doing hard work, often with little or no compensation and then in the end succeeds, he can look back and not count all lost. You know how I struggled in Newark and the drawbacks I had to contend with, and am pleased to inform you that altho I work as hard as ever the future outlook is certainly brighter.

How would you like to have my place on your life. Pay \$100,000.00 insurance? I'll promise: if you agree, to give you only the best Cos. and as you have been the means of perfecting the telegraph and telephum, can do the work as well as if I were in Meulo. I wish you many years of the greatest prosperity.

Very truly yours, Oleyenburger

if you find the time, write this formally

Assets over Eighty-Eight Millions.

The Mutual Life Insurance Co. of New York.

F. S. WINSTON, President.

GEO. B. RAYMOND, GEN'L AGENT.

NO. 749 BROAD STREET.

Newark, N. J. July 24th 1880

Howe Corman Esq.

Kent's Park, N. J.

Dear Sir

The cost of the
Edison Premium, is \$234.⁰⁰/₁₀₀. At the payment
made in Dec^r last a dividend of \$98.⁰⁰/₁₀₀
was used in reduction of the Premium;
this time the Premium is the full cost
\$234.⁰⁰/₁₀₀

Yours Truly
Geo B Raymond
Chas. H. J.

Assets over Eighty-Eight Millions.

The Mutual Life Insurance Co. of New York.

F. S. WINSTON, President.

GEO. B. RAYMOND, GEN'L AGENT.

No. 749, BROAD STREET.

Newark, N. J. July 30th 1880

J. H. Adams Esq
Mano Park N. J.

Dear Sir:

Your favor of the 28th inst. regarding Cheque for \$234.⁰⁰ the semi-annual premium on your policy No 163.075 is at hand, for which please accept my thanks. The reason there is an dividend reduction of this payment, is that the dividend is declared at the anniversary of the policy in December of each year and as you have always paid the amt for the payment of the semi-annual premium, the same premium has to be paid in full.

Yours truly,
Geo B Raymond
Genl Agt.
J.

1880. Edison, T.A. - Payroll Receipts (D-80-017) [not filmed]

This folder contains payroll receipts for Menlo Park laboratory employees. The Edison National Historic Site also holds an extensive collection of employee time sheets for the period 1878-1931. The time sheets for 1878 have been filmed as a representative sample (see Thomas A. Edison Papers, Microfilm Edition, Part I, 17:621-876).

1880. Edison, T.A. - Unsolicited Inquiries (D-80-018) [not filmed]

This folder contains unsolicited correspondence requesting agencies for Edison's inventions, inquiring about the purchase or cost of his inventions, or asking for other information about his inventions. Approximately half of this correspondence was sent to Edison in January, following the first successful demonstrations of his electric light system, to request agencies for the light. There is also correspondence regarding offers of land for the Edison Electric Lamp Company factory.

1880. Edison, T.A. - Visitors (D-80-019) [not filmed]

This folder contains routine letters of introduction and requests to visit Edison. Letters that received a significant response by Edison, or that were written by individuals associated with Edison, are filed in their appropriate subject folders.

1880. Electric Light - General (D-80-020)

This folder contains correspondence and other documents relating to the commercial introduction of the electric light and to technical aspects of electric lighting and power, such as the design of lamps and generators and the materials to be used as filaments. Some of the correspondence deals with the lighting plant for Henry Villard's steamship, Columbia, and with the search for cane to be used as a lamp filament. Related material about the application of electric power to mining can be found in D-80-032 (Mining - General).

All the documents have been filmed except for duplicate copies of selected documents and bills relating to the death of John R. Segredor, whom Edison sent to Cuba to search for filament materials.

DEPARTMENT OF PUBLIC WORKS,

Bureau of Camps and Gas,

Room 13, City Hall

New York, Jan'y 2^d 1890.

My Dear Sir

Your favor of 29th ult. is
received.

I suppose that you are very much
troubled by inquisitive visitors, and
hence I am somewhat diffident about
going to the "Mantle Room". As a Public
Official, however, I desire to do so
and will therefore accept your
kind invitation and, if possible,
will visit you tomorrow afternoon
(Saturday), with the assurance that
I will not cause you very great
annoyance.

Yours Respectfully,
B. Mc Cormick
Supt. Camps & Gas.



Richmond, Ind. 1/2, 51st. 1897.

Mr. Thos Edison
 Menlo Park N. J.
 Dear Sir

Let him send
 one sample of
 paper for testing

Although we are
 entire strangers I feel
 like congratulating you on
 your success in perfecting
 your electric light

I have read several
 reports of interviews had
 by reporters and others
 and seeing no doubt as to
 the endurance of the carbon
 or paper horse shoes
 used in your lamp I set to
 work to make a paper to
 give the desired results
 and I think I have it

Now if you have not
 succeeded and desire to
 hear more of it I will
 take pleasure in corresponding



Richmond, Ind.

187

with you in reference to
the matter.

For my own satisfaction
I am making a sample
of my paper and I shall
give it a severe trial.

I will say right here that
I am not a particle excited
over the matter don't expect
to make any money out of
it (as I have been in the
patent office too often already
to ever expect to make anything
out of such thing) but if it
amounts to any thing and you
don't find the same thing it
shall be to your advantage
whether to mine or not.

I remain Most Respectfully
Yours,

W. D. Richards

It has been said by
Phosphorus & Nitrogen
that any gas in
vac of any kind
causes a lower
the light

143 School St.

German Town, Pa. (Pulaski)

Jan 2, 1880

Prof. A. Edison Esq

Dear Sir

It is reported
that you obtain in your Lamp globes
a vacuum of 1,000,000 of an atm. sphere,
if this vacuum was broken with pure
Nitrogen gas and the globe exhausted
to 100,000 again, you would have
owing to the difference energy of each gas
- remaining only 1,000,000,000,000 of the
oxygen naturally existing in the air

Would not this method be better
than burning the oxygen out by
Phosphorus? which leaves a den-
gruous residuum

Very Respectfully
N. B. Clark

B. T. KNIGHT,
Proprietor.

(SPECIMEN OF PARCHMENT PAPER.)

N. S. OTIS,
Manager.

Acme Stationery and Paper Co.,

75 FULTON STREET,

New York, Jan'y 2nd, 1883

MANUFACTURERS
of
Letter Folders and Binders,
Paper Fasteners,
Parchment Paper,
Dusting Paper,
Capping Boards and Paper,
Paper Ruled and Cut to order.

Mrs. T. A. Edison

Menlo Park, N.J.

Dear Sir

While reading in this morning's
Tribune an account of your new Electric Lamp, and
that you obtained your Carbon from paper, it occurred
to me that a paper having a very strong fibre, and ab-
solutely free from any substance except the vegetable
fibre, would be of assistance to you. I therefore enclose
some pieces of the heaviest weight I have at hand, cut
from the margin of the sheet so as to free from the chemicals
in the ruling ink. If you desire I can send you some
sheets as heavy as Bristol Board. Prof Chandler of
Columbia College says this is the only paper he ever
saw absolutely of pure fibre, and so well washed as
to be chemically of a negative character.

Very Respectfully,
Yours

Newton S. Otis.

in Chester Pa
30 June 1880
Albert Taylor
A. G. Myer

Chester, Penna.

July 3^d 1880

Prof. J. A. Edison.
Menlo Park N. J.
Respected Sir.

You will
pardon me for intruding
myself upon you at this
time, but as I have atten-
tively read the numerous
and various detailed accounts
that have from time to
time appeared in the
press Paper Press, and am
anxiously waiting the
final step to be taken
that will crown your
indefatigable efforts with
undoubted success to fur-
nish to the world a cheaper

and better light than
that now in general use.

I beg leave at this juncture to make a suggestion that perhaps you may be already familiar with.

You are probably not aware that in the manufacture of Bristol Board they are not in the habit of using Kaolin, which is as really as indolustre as Asbestos, but they use an opaque Clay, found in considerable quantities in your state, and will readily perceive that it is not so good as Kaolin, which is altogether used in the manufacture of the finer grades of paper, and in my opinion it is the Clay that gives your Carbon shoe its lincity, and I

contend that if you will have manufactured a Bristol Board with the purist of Kaolin you will surely discover a more perfect and substantial carbonized shoe.

I write this thinking that your mind has been so entirely engrossed with other things it may have escaped your thoughts.

If you have a leisure moment, I would very much like to hear from you.

Sincerely Yours

Alfred Taylor.

Thank him & say that what we use often is a Bristol board with no Kaolin or other within than the pure fibre, all oxides such as clay etc are ^{all reduced by exposure to a high heat before use}

June 3, 1950

No 204 E. 115th St.

New York City

Mr. J. A. Davidson }
Jensen Park }

Come any time

Dear Sir

I mention this visit
am assuming you greatly, but I
wished to ask if it will be convenient
for me to visit you some day, this
week in reference to the business
part of your discovery. Satisfied
myself that electric light will move
quickly even in competition with
gas in small as well as in large
rooms, I wish to organize a co.
in Saurville, W. Va. to control that
city and perhaps State, but I wish
in the meantime to become of absolute
familiar with the working of every
part of the machinery to the extent
of being able to put in proper
order and use all parts of the
apparatus.

Sincerely,
J. A. Davidson

J. A. Davidson, Esq. Saurville W. Va.

204 E. 115th St.

New York City

M. G.

ALBERT C. DUNN *Jan 4, 80*

Successor to
PHARMACIST



M. J. H. Steach
& Dr. U. C. H. E. T.

Importer of German Specialties,
61 BOWERY, cor. Canal St.

Station of the N. Y. Elevated R. R. in front of the door. Easy access to all points.

New York, Jan 11th 1880
Mr. Jas. A. Edison

Honored Sir,

If you remember ever allowing speaking
to you on New Year's afternoon
in regard to a certain form
of carbon burner, I do not

know whether you exactly
understood the shape of ment
and herewith send them
(Enlarged), if they be^{not} as you
understand, would you have
the kindness and let me know
whether the current would be
in any way affected by the
notches, or whether the current
would be so strong as to
break them off entirely, after
they were carbonized, as I

understand, the greater
the amount of surface to
the carbon burner, so much
more light could be produced.
as I am completely enraptured
by the success of your light.
I hope you will confirm a
fact, by answering this letter
and satisfy my curiosity.

I am for your most obedt
servant

M. J. Breitenbach

St. Rowen.

N.Y.

The matches would
be absolutely useless
as they would increase
the surface without
increasing the
conductivity

P.S. What I want is kept for my residence
I will to about 3 1/2 or 4
S. D. Easton

710.000

Fort Union Aug 14 1880

T. W. Delessau Esq

Dr Sir

I have been
working for a long time
for the electric light to be
perfected. You may remember
my house on half mile
south of the bridge. You
was down with Pitt the
last time you was here

I have been very and
thinking of putting independent
gas works. but from what
I read of the electric light
I think I may be able to
use it before long. I told
Pitt I would write you
and find out the Prospects
S. D. Easton



DEPARTMENT OF PUBLIC WORKS,
Bureau of Lamps and Gas,

Room 21, City Hall,

New York, Jan'y 5th, 1880.

My Dear Sir-

I was much pleased on Saturday last with my trip to World Park, which little Hamlet has now, through you, a world-wide reputation.

Having paid much attention to the subject of the Electric Light, and having stated eighteen months since that I would like to see Edison take up the question, for I then hoped that you could master it, I naturally felt much interest in your success, and, hence, I was very much gratified when I found that your sub-division of the Light is an accomplished fact, and that you had achieved what other scientists of the world had failed to do.

I regretted, however, that in consequence of the crowd of visitors, I had no opportunity of conversing with you up on the subject of lighting our Central Park, which question has been moved here. I hope that another opportunity will be afforded me of making you a visit when the throng of visitors ceases troubling you.

Yours Respectfully,
J. A. Edison, Supr.
L. M. Woodruff, Supr. Stamps & Gas,

DIRECTOR:
ALBERT E. LEDOUX, A. M., Ph. D.,
Chemist to N. C. Dept. of Agriculture,
To N. C. State Geological Survey,
—AND—
To the N. C. State Board of Health.

Department of Agriculture
North Carolina
AGRICULTURAL
EXPERIMENT STATION,
At the State University,

ASSISTANTS:
W. B. PHILLIPS, Ph. E.,
J. G. TAYLOR, B. S.,
A. D. MICKLE.

(1-6)

Chapel Hill, N. C., Jan - 5th - 1880.

Prof. Thos. A. Edison,
Menlo Park, N. J.

Dear Sir,

There is a very large element of absurdity in my attempting to make any suggestions in regard to your experiments on electric light. I may be entirely mistaken in my premises, but if I can judge from the popular accounts of your experiments, the difficulties under which you labor at present are, first, inability to secure a perfect, absolutely perfect vacuum, and second that the Oxygen which contained in the air which remains in the lamp reacts upon the Carbon ultimately destroying or seriously affecting it. If you have not long ago tried it, I would suggest that you fill the lamps before attaching the Sprengel pump with some gas - possibly Nitrogen - which will drive out all the air.

The one-millimth part, or whatever may be the proportion, which you are compelled to leave in the lamp, will contain no Oxygen and exert ab-

DIRECTOR:
ALBERT B. LEDOUX, A. M., Ph. D.,
Chemist of N. C. Dept. of Agriculture,
To N. C. State Geological Survey,
—AND—
To the N. C. State Board of Health.

Department of Agriculture,
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A. D. NICKLE.

(1-6)

Chapel Hill, N. C., 18.....

Solately no effect upon the incandescent Carbon.
Carbonic Acid will not do for this purpose as it is de-
composed by charcoal at a red heat, forming Carbonic
Oxide and liberating free Oxygen. Hydrogen will
not do. Nitrogen, without studying the question spe-
cially, appears to me most inert and thus best adapt-
ed to the purpose suggested.

If you have long ago made the experiment, please pardon
my writing. I am one of the fifty millions of
American citizens who are interested in your pres-
ent work and have profited by your past inventions.

Yours respectfully,
A. B. Ledoux
WRITTEN
DICTATION

Have tried it don't
seems to any good
get and high inc
don't destroy it
of 1 pe of carbon

Concord
Mass

New York Jan 6th 1880.

Thomas A. Edison Esq

Dear Sir:

The question of the best construction of air-pumps for clean exhaustion has come before me, and I desire to avail myself of what has already been done toward their perfection.

Will you be kind enough to inform me if you make use of any of the practically known forms, and if so, and of recent style, where I may meet with a description of it. If the pump employed by you is essentially different from those previously known, and there is no objection, I would be glad to see it. Could you allow me to do so?

Very respectfully yours
W. E. Woodbridge

Genl. Oliver, N.Y.C.

Mr. Matthew C. Haines
June 16 80

June 16 1880

would like what information he
can obtain - would like to know if
I could get say 100 Lbs of
Lignin, Pyrolytic Board & then
of Mr. Wilson of Philadelphia
Philadelphia
Northampton
at any of the
June 16 1880

Dear Sir

I notice from the Papers that
you use Paper - hard Boards - now I suppose
this is made from hollow Paper - The Pulp
for the Paper is produced by Chemicals - in
fact

My object in writing is to invite your attention
to what may be a great improvement that is
Paper or hard Boards - or rather the Pulp first to
be made of Linum - Flax (I guess not Hemp)

I know the superiority of Flax we first
used to call it "Yarn" more than 50 years ago - for
the Wicks of Tallow Candles - "Orange" light
more available &c.

The value and durability of Paper made from Linum
Paper or Linum Cloth is enhanced by the fact of
England Paper made from Flax Pulp, only

If you think it worth while I will enquire at
the Paper Mills, where that Paper is made, for all the
particulars I possibly can get.

I think you could have a pulp and hard Board
made on purpose. Shape, Thickness, Size, or as
you might require.

P. J. Over.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been annexed to the several of the following messages.
Messages may be forwarded against only by receiving a message back to the sending station, the responsibility, and the Company will not hold itself liable for any error or delay in transmission or delivery of a message if the sender has not received a message back.
This message is an **UNRECEIVED MESSAGE** as returned to the sender.

A. H. BREWSTER, Secy.

WILLIAM GORTON, Pres.

Dated

Providence R.I. 7/6 1880

Received at

*To Thos Edison
New York N.Y.*

READ THE NOTICE AT THE TOP.

*Could I see light
in operation tomorrow.
Boston party want me
look at it for their
answer*

*W H Sawyer
17 paid
Hort*

LIBRARY
 PATENT LAW DEPT.
 READING ROOM.

INVENTORS' INSTITUTE
 33 BROADWAY.

INDUSTRIAL NEWS.
 MUSEUM OF PATENTS.
 SALESROOM.



*my pot covers
 all carbonizable
 organic compounds
 I found carbon
 in my boiler
 for the lamp
 in the
 process of
 treatment*

New York, January 6th 1880

Thomas A. Edison Esq.

Dear Sir:

A scientific friend and correspondent of
 ours has placed in our hands a description of an
 improved carbon for your new lamp, with the request
 that during the pendency of his caveat we shall sub-
 mit the same to you for practical tests.

If you ^{shall} find upon trial, that the inventor's opinion as to
 the value and efficiency of his new light-giving body
 is well founded, he desires to assign his right on reason-
 able terms to the Company who control your Patents, or
 to yourself individually.

Yours Truly,
 David A. Davis
 Patent Dept.
 The Inventors' Institute.

Enclosing description of
 Vulcanized rubber Carbon for Electric Lamp }

LIBRARY	INVENTORS' INSTITUTE.	INDUSTRIAL NEWS.
PATENT LAW DEPT.		MUSEUM OF PATENTS.
READING ROOM.		SALESROOM.

No. 788 BROADWAY,



Enclosed
New York, Jan. 6th 1880

Extract from Case

"My invention consists in the use of a light-giving body, of any desired shape, composed of Carbon formed by subjecting vulcanized India rubber, or gutta percha, to heat of a sufficiently high temperature to expel therefrom, by destructive distillation, all volatile matters. The said light-giving body after being combined with platinum electrodes, is inclosed within a glass vessel of any desired shape, from which the air must be exhausted by any suitable means. The said electrodes must be allowed to project beyond the sides of the inclosing glass vessel for the purpose of enabling them to be connected with the electrical generator."

found as above

The Inventors' Institute.

Albion Tube Works.

Birmingham, 8 January 1880

Mr Edison's quantities of
Janywell Street, North Park
London, which is the same as
Dear Sir, go into the matter etc

We read with much
interest the accounts of your
gradual perfection of the
Electric light for household
purposes, and we hope to be
able to supply wrought
iron tubing in large quantities
to convey the wires (which
will necessarily be required,
for this & for the Telephone,
duly protected ^{from their surroundings,} so for
instance, ~~in the ground~~.

We therefore beg to enclose

our price list, which will show
you the class of goods we make,
and we shall esteem it a favour,
if you will inform us, whether
you consider that wrought iron
will be the best material to use
for the purpose of protecting the
wires, and also whether any
special fittings would be required,
as for instance, whether the bends
or elbows should be of any special
pattern, as in that case we
shall be glad to know as
soon as possible, in order
that steps may be taken, to
produce the required article
successfully & quickly.

Prices have risen so
rapidly in the ^{U.S.} United States
that it is possible, even with

Birmingham Eng
July 8, 80
Lloyd & Lloyd
and Flynn ✓

The extremely high protective
duties, that tubes may be imported
more cheaply than they can
be made in the States; whether
this is so or not, we can
confidently recommend
the quality of our manufacture
and shall be pleased to do
business, either in America
or England, for the Electric
light or Telephone wires.

apologizing for troubling
you in the matter when
you have so much
detail to consider, and
hoping to facilitate the use
of the wires.

We are
yours faithfully
Lloyd & Lloyd

31

J. S. VAN GILDER, President.

F. A. R. SCOTT, Secretary.

Knoxville Leather Company,

Knoxville, Tenn. Jan 10 1880

Paper is sometimes hooded & the
ash will not burn but it is pure

Caustic that is desired not ash
which is not wanted

Y
Thomas A Edison

Menlo Park N J I hope I wrote you
last spring in relation to some corres-
pondence on some experiments of electricity
& electrical attractions - so that when
you had time for correspondence I desired
to make some communications of experience
re that I had studied & worked up & e

You still being busy & ceasing on
your paper theory -

I make this suggestion to you
as having occurred with me a
few years ago - I had accumula-
ted a great many different papers
& cards - & in burning up - I got on
to some I could not burn in the

store & had to take them out
it occurred to me if you was
to take the various cards & signs
& advertising circulars & burning
the different panels of wire
might strike on some one of the same
I am under the impression it
was some kind of glazing or coloring
that apparently made it so fire proof
I remember it well of the bottles
to get them out of the store
But thought nothing much special
of it until by our paper theory of
mixes or reamers -
different coloring matter may
have produced some chemical
combination & produced the indestructi-
bility - Respectfully yours
Ernest Leavelle

Wm. H. G.

Wm. H. G.
1870

M^o 12
London, January 12th 1880

Mr Henry Bessemer C.E. F.R.S. &c

South Hill,

Surrey.

Dear Mr Bessemer

January 12th 1880

- Edison Esq
Dear Sir, I hold for personal reasons
In connection with the rest
of the world I am looking forward with
great interest to the time when the
Electric light will be available for the
advancing purposes of domestic illumination.
Your recent discoveries in relation to
the employment of bar-board seem at
once to supply this great desideratum,
in its simplest and cheapest form, and
as I sincerely trust destined to supersede
all that has gone before it.
While writing an interesting account of
your great discovery, we could not feel
how extremely delicate and fragile this

charred filament must be. and I naturally
begin to think, as doubted you have
done, whether there was any easy
means of strengthening the little houses
and then a mode of doing so occurred
to me, which I have thought it worth
while to suggest for your consideration
and I shall only be too pleased if it
should in your very able hands add
however slight to the success of electric
lighting. I refer to the deposition of
films of pure carbon by incandescence
of carburated hydrogen gas. — I have
seen a large whisp of straw, which had
been thrown into a coke-oven, beautifully
coated with an even polished glistening

film of carbon, of an iron grey color.
The absence of sufficient oxygen to cause
combustion of the straw, had preserved it
in its perfect natural form, but it was
crisp and hard and immensely stronger
than mere charred straw would be. —

An experiment could be easily tried at
a gas works, by putting in the dried
& card pieces into the after end of the
gas retort, and only filling the fore part
of the retort with coal. — you will at
once see how cheaply and easily this
deposit of carbon could be given to any
substance by enclosing the article in an
oven just kept red-hot, and through which
cool gas would as hot blast, was passed,
and with no loss of gas, except the portion
of carbon actually deposited. —

Other means also suggest themselves such
as saturating the cord with solutions of
silica, easily procurable by dissolving

the common black flint of the
chalk formation in an high pressure
boiler with soda, as in "Hansomes"
Patent Stove for which you have a Company
in New York. - in the Manufacture of
the cardboard fine silica deposited from
its solution by acid and in an excessively
fine state of division could be mixed with
the paste and between each sheet of paper
or glass powder. could be used and by its
fusion under heat toughen the carbon.
while the quantity present would be far
too small to cause the carbon to soften
and fall. - had I a person with so many
resources as yourself. there is no need of
multitude suggestions, had I know by
experience as an inventor how useful
it is sometimes to be directed off our old
track of thought into some new line, and
it is with this hope that I have taken the
liberty to suggest a matter to you about which
I am sure you have made all your own
Judgment and which ^{you have tried} you have tried. W. Bessemer.

Place Hotel.

Buckingham Palace

Well try the

London.

Experiment that
you know result

July 14 1880.

My dear Sir.

One of the multitude who
have followed with unceasing
& startled interest your won-
derful career - but with perhaps
a degree of experience in the
vicissitudes of invention pos-
sessed by few I make no
apology for addressing you.

The instant the telegraph
brought word that in paper
you had found the desired
medium I knew that you
were right. To me the Confer-
mation brought by the Times

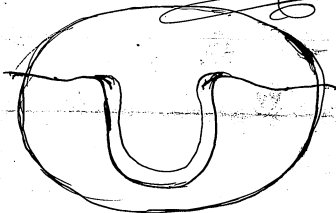
correspondence was not
needed for I had at once
recognized that you had hit
upon the thing. I think that
I have a valuable suggestion
to make. & altho I have lost
fortune thro' my faith in
the sincerity of a country man
& yours my admiration for
your genius & character over
rides all & I send my ideas
to you for what it may be worth
It strikes me that if a piece
of cardboard of the required
form and size say the
horseshoe you have adopted
were placed rapidly between
two plates of glass hot enough
to at once carbonize the
paper and sealed to each other
a lamp of mummum cor.

& efficiency would be
moderated the platinum
wires forming the connector
might be encased in the card,
yet uncarbonized & being
add were simultaneous
imbedded in the glass. would
be necessary in absolute
contact. - the glass & cover
would be thin to as to per-
mit the useful expansion
without risk of fracture. &
might be finely polished
flat or worked into beads.
so might be found advisable.

I am afraid working
painter & sand paper
but have spent much
money & given much
attention to science.
indeed but for the circumstance

alluded to above. No
longer all my copulet. I wish
now be this my telegraphic
sother inventions. What I
am happy to feel you will
be a millionaires.

Believe me
Dear Mr. Deane
with profound respect & esteem
Yours truly
John G. Cook



London June 11/81
Henry Cook
in pencil

OFFICE OF THE

want price in ingot
Detroit & Lake Superior Copper Co.

Houghton, L. S., Mich.,

Jan 15th

1850

W. H. Edson Esq

Meads Park N.Y.

Dear Sir

Your letter of Nov 26th to Wm
Esq enquiring the price of ingot Copper per
sample sent you, was handed to me recently.

In reply would say the Copper can be furnished
in bars of 50 lbs and upwards for an advance
of 4 cts per lb on Common Ingot Copper.

I was absent at the time, and the sample sent
you was not equal, that which I have since
made. The sample which you had was made
directly from the Mineral as produced from the
mines and I found by testing it that it carried
quite an amount of Iron. The Copper produced
by this process has about the same specific grav-
ity as the Common Copper has after being rolled
or drawn into wire. The Copper has a crystalline
fracture, and this has a fracture similar to that
of Lead when broken. I think this Copper would
conduct electricity about as well in heavy bars
in this part of the State as the Common Copper would

Detroit & Lake Superior Copper Co.

Houghton, L. S., Mich., 18

after being drawn into wires and would not be subject to injury by bending or twisting as I think the wire drawn from Common Copper is. The Common Cast Copper (as I understand it) is a poor conductor, but when drawn into wire, the crystals are drawn into five fibers, one lapping on the others and when properly drawn is an excellent conductor, but if from any cause these fibers are disturbed as they are liable to be in bending or twisting it causes a resistance. The Copper such as I produce by special treatment is virtually one continuous fiber when drawn into wire, and is not liable to injury for ~~the~~ conducting electricity by having its fibers disturbed from any cause.

I have understood that quite heavy pieces of Copper were used in the construction of some electrical machines. If this is so, this Copper would be found just suited to such purposes. I have also been informed that Common Copper wire would recrystallize when in constant use as a conductor. If this is a fact, I think it would be entirely avoided with the Copper that I produce.

Detroit & Lake Superior Copper Co.

Houghton, L. S., Mich., 18

as the oxygen held in the Metal is the element of Crystallization, and it is entirely removed from this Copper if all the precautions are observed in converting the metal. All of the impurities in Commercial Copper is considered injurious for conducting electricity, and I think the oxygen which is always present in Commercial Copper increases the injurious effects of the other impurities. I think there is a decided preference in certain kinds of L. S. Copper for electrical purposes, but that nearly all of the Lake Copper would have a preference over foreign Copper. Nearly all of the impurities in Lake Copper consists of oxygen, and I believe that in foreign Copper will find from the above often consists of Arsenic, Antimony, Bismuth, and sometimes Lead & Zinc.

I should be pleased to furnish you with any samples you may require, or give you any information that I may possess in regard to Copper for special uses.

Truly Yours
James M. Cooper

OFFICE OF CITY CLERK,

Hoboken, N. J., Jan 15th 1888

To J. A. Edison Esq
Menlo Park N.J.
At a Meeting of the
Common Council held Jan 15th 1888, the following
Resolution was adopted.

Resolved. "That the Treasurer of all the
"Camp posts and lanterns in the City, be and
"the same are hereby tendered under the
"Supervision of the Camp Committee to Prof. Edison
"for such experiments as he may desire with
"his Electric Light."

Yours Respectfully
H. J. T. J.
City Clerk

Thank you

Enclosed a Return
Ticket
Phily Jan 16. 1880
Mr Edison
Dear Sir

I see by this mornings papers your lamps
are breaking If you can send me one of them
or a return ticket I think I can help you out
of your difficulty as I am a practical glass blower
and understand the manufacturing of the
material of what your lamps are made of

Respectfully yours
Austin S Conroy

822 Adams St
Phily Pa

My Jan 16, 80
S.H. White
in Jan 23

Paul get in shape
Room 91. No 71 Bway
Jan 16, 1880

Prof, Edison,
My dear Sir,

Reading in to-
day's paper de some trouble with
your glass globes, the idea has
come to me that perhaps mica
can be used to advantage. I be-
lieve that it does not contract
or expand under the influence
of either heat or cold.

I know of no means of form-
ing sheets of mica to meet your
use, but trust to your ingenuity
to find them.

I can only say that I shall be
pleased to give you if you wish
them, some sheet of clear mica of
such thickness that you may be
able to rift them, until you
find the thickness required to
meet a pressure of 14 lbs. to the sq. in.

If you succeed in their utilization,

mica, I can furnish you with
all you may wish, & of so clear &
transparent a nature as to answer
your purpose,

Yours truly

J. A. White.

P.S. Allow me to add that
Messrs Dorsey & Robinson of
61 B'way have seen large
& varied specimens of this mica
of work, & will send you some,
if you desire.

New York, January 16th 1880

Thomas A Edison Esq.
Menlo Park, N.J.

Sir -

A material (Silica) for making glass -
is found at Golden, Colorado - for
toughness, and strength, no other substance
has been found to equal it. Samples
of the rough glass are in this city -

The glass works here, have tested it -

It might answer to make
the Globes, in Lamps for the
Electric Light -

Your Obedt Servant

all glass is
made from silica
its the peculiar
combination of other silicates
with silica that gives them
different qualities

W. Miller
645 Broadway
New York

645 Broadway
N.Y.

OFFICE OF

THOMAS P. HUGHES,
PLUMBING & GAS FITTING,

189 WEST MADISON ST.

*We are now plumbing the
port to open Chicago, June 16th 1880
with the lens
of your lens
of your lens
of your lens*

Thank you for the Chicago

*disturbance of the clock published
an about interview with you
and says you can not tell why
your globe would. where your
wire enters - some years ago I
was showing my goggles glass with
a copper wire and several hours
after the glass went to pieces
This is just what is the matter
with your globe and platinum wire
If you put a lead collar in to
your globe and cement it in right
then rotates your wire to the
collar your globe will not break
if heated properly. *Thos. P. Hughes**

OFFICE OF GEO. S. EATON.
Manufacture of all kinds of
METAL MOLDINGS,
AND
FLEXIBLE METALLIC OIL CLOTH BINDING.
14 DUNHAM PLACE,
New Boston,

Brooklyn, C. D., Jan 16th 1857

Dear Sir

Dear Sir:

To remedy the glass from
breakage, insert in the globe before
operating and receding enough
water to come within 1 in of the
carbon, this will ~~cool~~ ^{cool} the wires
and act as a damper in regulating
the heat. All vapor or steam formed
during the night, would be
condensed during the day when cool
in use - Yours truly

Geo. S. Eaton

Water boils in a vacuum
~~even when~~ & the carbon
would decompose the
vapor & be deluged

© Harris Greaves, President
© B. B. Parsons, Secretary
© New York
James Hamilton, Cashier
Branch Offices at San Francisco,
San Bernardino

Western Union Telegraph Company

San Francisco, Cal., Sept 16 1870

It was the office of the Pacific Division
of the Western Union Telegraph Company
that I was directed to send you
this letter.

Thomas A. Edison, Esq.

Menlo Park, New Jersey

Dear Sir,

Having read with interest the
account (as reported) of your discovery
of a carbonized thread, paper, or a tinner
for your Electric Light, it struck me that
compressed peat might be a substance
that could be carbonized with good re-
sults for your purpose, provided it would
have fibers enough to keep it from crumbling.

I do not know anything of the quality
of peat found in the U.S., but having
resided in Ireland, have seen some there
that made a fine fire as coals, and
burned to very pure - if this is the wood

to use, - coher. It may be that of a
more fibrous nature would answer the
purpose better. I remember some ex-
periments in Ireland with compressed
peat, for getting up steam in an engine,
or boilers I should say, when I was
young that with it, steam would be
got up in little more than half the
time required by any combustible
I heard of. Whether this may have
any bearing in the matter, my want
of chemical or scientific knowledge
prevents me from knowing.

Having, as I said, read of your ex-
periments with interest, I happened
to think of peat, and think it can
do no harm to mention it to you,
although probably you have tried it.

I am employed in Mr. Gamble's office
in a clerical position, but have no know-
ledge of telegraphy, or the workings of
electricity, further than what I have

gathered from occasional readings
Previous to leaving New York I was
always employed in a Banking or
Counting House. I think this as
an apology, but what I have written
in the first matter, may not be said
in a scientific way.

I had the pleasure of being
introduced to you when you visited
San Francisco, but of course you
would not remember me.

Mr. Prichett of the W. H. Tel. Co. is
a friend of mine.

Should my suggestion be of any
service to you I shall be much
pleased.

Yours respectfully
John W. Henderson.

Albion Pa. Jan. 17th 1880

My dear Sir,
I have received your letter
Sharon Hill Delaware County
Pa.

Gentlemen

Please be so kind
as to keep me well posted
on the results of the
experiments & tests of your
Steam generator. I am at the
present time highly interested
in ^{the progress} steam generators & engines -
regard to the U. S. Light

Any information or description of
details of the generator & engine
You may be inclined to give
will oblige yours.

Respectfully

J. C. Edgeran
J. C.

PK



Richmond Ind. 1/17 — 1857

Mrs. Thos. A. Gibson
 Dear Sir

Your favour of the
 13th is to hand and indeed the
 but the ^{part} you mention
 was not in it.

Will say I have not as
 yet succeeded in producing the
 paper I want to make for the
 want (as I believe) of proper
 mechanical appliances as well
 as time to devote to the subject
 My time is occupied with my
 business leaving only evening
 for experimenting

I am engaged in an
 other trial and if I don't get
 what I want I will then in
 sixteen month lay the matter
 before you in decided way within
 three days Yours Respectfully
 W. D. Kimball

^m
Chicago July 14th
W Powers
air pump
a Jany 27

Thank for your offer
would you be so kind
as to give us a general
idea of the principle
so that I may judge of the
value of the thing
Chicago Jan 15th 1858

Mr Edison

Dear Sir

I have recently
invented an apparatus with which
I produce a perfect vacuum, of course
people doubt and doubt because
philosophers have said it was impos-
sible, but this does not alter the fact.
I have produced within a glass vessel
a perfect vacuum in the presence of
hundreds of people, many of them
scientific men among whom are
Prof. George H. Peck of the high
school of Portage Wis, Prof. Shaw
Supt. of the city school of Madison
Wis, the State Supt of public Schools
of Wis, and his assistant as well
as Dr. Piper a scientist of this
city who all acknowledge that

I can and do produce a perfect
vacuum with my valveless pump
Now it has been suggested that
it might be useful to you in
connection with your electric
light. - If such is the case and
you have any use for it, it would
afford me great pleasure to furnish
you with an apparatus, or infor-
mation necessary to its construction.

Believe me I am prompted by
no other motive than a desire to
assist in the advancement of science
in this writing you, for, should
I be privileged to provide you
with my pump I desire to do
so as a present and not otherwise.

Should be pleased to hear from
you at an early date.

Until such time I shall remain
as ever your admirer and friend

274 Fullon St Chicago } W. Powers

Philad Pa Jan 19th 1850
A. Karscher
a young mⁿ

Philadelphia Jan 19th 1850.
Will make a trial
of anything you have
Thomas S. Holman Esq
Mendota Park W. J.

Dear Sir!

Having acquired in Europe
much experience as well in the
manufacturing as in the conver-
sation of glass, I am able
to give you some valuable infor-
mation in regard to making the
the glass shovels & experience
when hot. Besides this I have
of a method which measures
the glass, so that, if it has
become hot, & comes in contact
with water, it will not burst
at least very seldom.

If you should feel inclined
to use these or two methods
or one of them, after having

having made a trial of
their officing, I should very
much like to hear from
you.

Yours very respectfully

A. C. Tansler

428 Brown St.

Philadelphia, Pa.

M
West Virginia Jan 23 1880
No. 121
Ans. Jan 23

I think you
misapprehend what
kind of vacancy
West. Ind. is in regard
to any position
Jan 19th 1880

Mr. Thomas A. Edison
Menlo Park N.J.

Dear Sir

I have
noted in several New York
accounts that it appears about
an hour for you to make a
vacuum bulb for your use
in one of your laboratories
your electric lamp.

Having had a considerable
experience in constructing
vacuum pumps for my own
use, which I could not
find any in the market
suitable for my purpose

I am able to show you
one that will do better
work and in less time
than any apparatus that is
now used for that purpose.
If you show me the
bottle one for you, I
would be pleased to have
you inform me the capacity
of the pump and require
for your purpose.
I will agree to build
you one under a guarantee
that it will be for
suspension to my home in
use. I am not a pump
maker, only construct them
for my own use. I have
therefore something entirely
different, and as I have
used it some time ex-
perience it is for suspension

to any man in the market
Would be pleased to hear
from you on this subject.

Yours Respect
Geo Clark
Care of Joe H. H. H.

T. A. EDISON,

Menlo Park, N. J., July 19 1880.

Austin Kenney Esq
Phila

Dear Sir,

Your favor of
the 16th was duly rec'd.
By presenting this note
to Wm Morris Depot
Master West Phila you
will receive a ticket
to New Brunswick or if
they have them, to Menlo
Park. I will furnish
the return ticket.

Very truly
T. A. Edison
per 4

Presented to
Wm Morris 1/21/80

71
Washington 1880
Prof. Oliver Newcomb
and by A. E. Young

Nautical Almanac Office,
Navy Department, *Will answer personally*
Washington, D. C., Jan. 17th 1877.

My Dear Sir,

I wish to make one suggestion respecting the carbon electric light. If I understand the case correctly a carbon conductor gives much less light than a platinum one with the same power and resistance. Yes? ~~is it~~

Is this not owing to a want of solidity in the carbon and to its heterogeneous texture? May it not be that if you could give a

film of carbon the most solid texture possible, you would get a great deal more light from it & I do not know whether the experiment is practicable but merely suggest something of the sort to you.

M^r. Michelson seems to think there is a very great obstacle in setting up our velocity of light apparatus at Menlow Park owing to the want of a hotel or boarding house where the operators can live and sleep.

Otherwise I should like very much to accept your kind offer as I think the advantages of your laboratory would be very great. I suppose we shall be ready in a couple of months.

Yours very truly,

Simon Newcomb

Thomas G. Edison, Esq.,
Menlow Park,
New Jersey.

GEO. H. LEVIS,

I would like to get an apparatus
to anneal glass to put can you
do for Philadelphia, Penn. 22. 1888
No. 109 Locust St.
The A. Edlison Co.

Dear Sir, I am
interested in a Patent for
annealing glass now in
operation in Bractlyn -

By this process glass is made
to stand the strongest heat
without breaking - Lead
can be melted in it -

At present we are annealing
Chimneys - If of any
use to you would be
glad to have any paper
who superintends the
factory write you -

Sincerely yours
Wm. Sperry

Sun office January 20, 1880

The Mercury would cross the tubes & the
circuit would not pass through home
More besides Mercury would volatilize in such
high vacuum when heated by accumulation
of heat in the wires & it would not
Mr. Thomas A. Edison, Dear Sir,

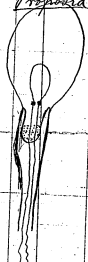
I visited your laboratory three
or four times, soon after the lamps were
set burning, to report for the
Sun.

Would not a few drops of
mercury left inside your lamp
prevent breakage, either by the
slightly unequal expansion ~~of~~
~~heat~~ of the platinum wires and
the glass, or by the over heating of
the glass near point of intersection
(by conduction ^{of heat} through wires from burner)
over

You would have to alter shape of lamp by reversing ^{the} present position of the lower bulb, as thus

Present Lamp

Proposed Lamp



Wm. H. Rose
F. T. Patton, Jr.

Postscript
Perhaps and would be better than mercury, such as is used for sealed tubes for C. reactions.

The dots represent the mercury. My idea is that it will spread the heat to all parts of the glass which it touches, and prevent it being carried directly down to the point of intersection.

Respectfully
F. T. Patton

WINDOW GLASS,
WHITE, GREEN AND BLACK
GLASSWARE,

PLANT AND LIME
Glass Tany Chimneys,

TABLE GLASS,

TUMBLERS AND COBLETS,
PRIVATE MOULDS,
AND ALL NEW ARTICLES.

D. C. Lippincott,
GLASS BROKER,

OFFICE, No. 3 SMITHFIELD STREET,

UNDER THE MONONGAHELA HOUSE.

Pittsburgh, Pa. Jan'y 22 1880

Appl. advance my interests by securing you every advantage in price, quality, and prompt shipment of goods purchased through me. No charge to the buyer. Information by Mail or Telegram cheerfully furnished.

Mr Edison
Dear Sir

Having read in the News Papers some items relating to the difficulties you have encountered in consequence of the Glass Globes breaking on account of the expansion of the wire when it enters the globe, I concluded to write you & say that I think I can put you on the track of getting Globes made of a quality of Glass that the trouble will be as nearly overcome as is possible, in my opinion based on 25 years experience in Glass Making there is but one kind of glass that can be relied on for your purpose

WINDOW GLASS,
WHITE, GREEN AND BLACK
GLASSWARE,

PLANT AND LIME
Glass Tany Chimneys,

TABLE GLASS,

TUMBLERS AND COBLETS,
PRIVATE MOULDS,
AND ALL NEW ARTICLES.

D. C. Lippincott,
GLASS BROKER,

OFFICE, No. 3 SMITHFIELD STREET,

UNDER THE MONONGAHELA HOUSE.

Pittsburgh, Pa.

Appl. advance my interests by securing you every advantage in price, quality, and prompt shipment of goods purchased through me. No charge to the buyer. Information by Mail or Telegram cheerfully furnished.

If you think I might possibly serve you I will be pleased to have you send me sample by mail or Express with a statement of the difficulties experienced & such items as you see fit to mention & I will take pleasure in giving you my best efforts to solve out change

Yours truly
D. C. Lippincott

Sample with wire in same as when in use

Our sole trouble is that there is tension in the glass & the correct pressure is not put on the globe before it is cooled

Pittsburg June 20 '50
H. C. Shippinett
6 June 24

We use a Potash glass
also a soft German glass
much used by makers of fine
Chemical glassware If
we could get a clear glass
that would conduct the
heat quickly so that lenses
would be analyzed
rapidly that would
probably cause our trouble

file

Phila Jan 22. 1885

Mr Edison
Dear Sir

will you send me one of your
lamps two dozen of your wires
and one dozen of your tubes and
I will put your wires in a different
way and connect them for you
and send them up to you I think
It will be worthing a trial

Respectfully
Yours
Austin Warner
F.D. Adams St
Phila
Pa.

Write & thank him
ask him for gas
statistics - ask to
send rough draft
to go to Lowell
Holyoke, Mass.

Jan. 22, 1880.

P. U. Edison, Esq.,

Manly Park, N. D. - South:

In response to

your inquiry about the cost of water power at
this place, I send you with this an illustrated
paper which will give you full details.

I called upon Mr.

Goddard the next morning after seeing you and
made application regarding Holyoke, as you sug-
gested.

Truly yours

A. K. Haines

On the street. You then place the Fluo into the ordinary Glass Lamp as used on the street - to protect the Fluo - from the various nears - Knowing so well the Nature of Glass - I ~~will~~ make this suggestion for your consideration - and think you will find something similar will be necessary to ensure stability - in your Globes - + no Globe used that is not free of imperfection + also of even thickness - a thick side + a thin one will not be reliable - and a pure light can only be protected in the general manner herein indicated - And it will be an easy matter for you to test in comparison to your others - Respectfully yours
 Geo. S. Leachman



Mr. Merrill's
 59 Spring
 1874

more to be
 and for
 from the

Wm Pearson

New Haven Jan 24th 1880

We have tried. Indium

Block Carbon; platinum sponge
+ Block with every oxide in
Mr Edison
Native & not deluded
suggestion sure gets us
near practical result
Carbon paper is probably satisfactory
being out

of that unfortunate class called
inventors I have taken a deep
interest in the success of your
labors on the electric light.
From newspaper reports obstacles
seem you to exist to its practical
success Several times within
a few months the impulse has
come over me to write and offer
a suggestion to you without regard
to taking the risk of seeming
presumptuous Without stopping
to explain difficulties as I under-
stand ^{them} whether correct or not
I offer a suggestion based upon

experience in building furnaces subjected to intense fire and where fire bricks of the best quality were of no avail for any considerable length of time. To get rid of this difficulty I used a fire stone which can be had from two localities in the country and is capable of withstanding any amount of heat which can be produced for an indefinite period of time. It has occurred to me that this refractory material might be used either alone or in combination with other materials to take the place of paper carbons if it has the proper conducting power. If not powdered it might be mixed with other materials to give this. At all events it would

cost but little to try it. Previously heated to a high temperature and afterward ~~and~~ afterward mixed with fire clay the mixture is infusible. Powdered spongy Platinum mixed with this stone and fire clay might do it or carbon clay and stone might answer or a carbon pencil surrounded by clay and rock to protect from the action of oxygen if not in vacuo or in an atmosphere of nitrogen. Several other suggestions have occurred which I will not stop to outline. Some of these things may be good for anything trial alone trial alone must decide but if I were trying to solve such a problem should give them a test as it can be done quickly and

N. Horn James 20
W. Andrews
and Feb 22

cheaply If what is here
outlined is not good some kind
might come of the trial that
would give the key of the
difficulty you may have
traversed this field already I
know not. If so this will only
cost the time of reading and
can do no other harm. Chemistry
applied to the arts has been my
specialty and I have learned
some facts therein unknown to
others. If you should see fit
to make any inquiries they
will receive attention. Wishing
you success I remain

Respectfully Yours

A. P. Andrews
187 Temple St,
Ms. Haven

1890 26th 1907

WINDOW GLASS,
WHITE, GREEN AND BLACK
GLASSWARE,
PLATE AND LENSES
Glass Tray Chippers,
Tumbler Press,
TUMBLERS AND GOBLET,
PRIVATE MOULDS,
AND ALL NEW ARTICLES.

W. C. Lippincott
GLASS BROKER,

OFFICE, No. 6 WINDFIELD STREET,
UNDER THE MORGANDELA HOUSE

Pittsburgh, Pa. Aug 27 - 1880

Do not advance my interest by securing you every advantage in price, quality, and prompt shipment of goods purchased through me. No charge to the buyer. Information by Mail or Telegraph cheerfully furnished.

*To A. Edison Esq
Mills Park N.Y. Penna
Yours of 23rd to hand in reply would
say that I would suppose that
Your shortest way through the
difficulty would be to have
Glass made especially adapted
to your purpose, if you are
disposed to send me a sample
I will with the soon attached
I would very cheerfully give you
My best efforts toward a solution
of the trouble, I think there is
a way through it Very truly
W. C. Lippincott*

*I don't believe at 2 sizes
made. Shipped like several others
of glass made in tubes*

Send you:

We have tried Lime glass
no good, Potash glass,
pretty good, no other kind
tried, It may be that
Lead glass having large
quantity lead would answer
our purpose better as its
power of conducting heat
probably will probably
increase with the
~~amount~~ amount of lead

Prof Ark Boshu for
sample of tubes large
& small as used in Lamp
& saw inch of each
will do

SWARTHMORE COLLEGE,

SWARTHMORE, DEL. CO. PA.

1st Mo. 24th 1880

J. A. Edison,
Esteemed friend:

I thank thee for the courteous reply to my very crude enquiries as to the "switch" required for the new light. The working on multiple arc was what I did not understand until my recent very satisfactory visit to Meads Park. I regretted that there was not more time to converse with thee, but I knew that it would be wrong to encroach upon the time of one so constantly and engrossingly occupied. I received very ample and kind attentions from Mr. Holt, whose name was given to me by my good friend Harry Bentley. I understand that some of the Scientists have made what they call a "mathematical demonstration" that they have last reached the limit of possibility as to the amount and cheapness of electrical light from incandescence, and that hence their experiments must end in failure and disappointment. The absurd predictions made so many

times by "Scientists", and their complete refutation by subsequently developed stubborn facts that would not correspond with their fine theories, might make them somewhat modest about announcing, in undue haste, the "mathematical proof" of what, in the present condition of scientific knowledge, must be largely determined by experiment and observation.

Very respectfully thy friend
Edw. Knapton

^{my} 9 W. Clark
file name

^{West} West Troy N.Y.
Jan 15th 1880

Mr. Thomas A. Edison
Genl

Your letter
in regard to the pump just
received. I am building
one for my own use.
I will complete it in
about two days. I have
examined the Retort &
Springs pump, neither
of which being suitable
for my purpose. They
being too complicated
and too costly. I am
using the simple one
and will receive a
very little satisfaction

For anything up to a
29 in diameter I use water
To obtain a Journal
Vacuum which I can do,
I use mercury.

My opinion is not founded
upon theory, upon theory.

Actual practice.

This apparatus is much
more simple, cheap and
durable than any now
in use. This is a great
improvement over pumps
which I have heretofore
used for my own use, as
soon as I finish this one
I will apply for letter
patent. Hoping you
will consider it to your
interest to report back
I am, Yours Respect
fully
Geo. Clark

no
City June 26/80
J. Files
a copy

Franklin

J. City June 26/80

Mr. J. Esterson

Dear Sir

I'm having Nelson
Park about 1000 A.M. a large number
of poachers had made of some light
beside the oak house that we go every where
open in a great many poachers from
the south and I take pleasure to show
them both boys and in places there
they meet on Saturday night I have a
very good trail with I give them all
the to see the light but no light
banning so they were fooled so I had
to go to boy one will describe the son
Ederson had gone to bed and believed
his light some boys conduct when
one was giving no trophy in going
though my time of time some of them paid
it to one they said their camp Esterson

Some said Tom had a man higher
than me - but I had been keeping
me a little all fine last night - I
let myself to know if the light was
coming before I left - and the boys
were very much pleased I had
you here at 5:45 AM in the
morning and it was all O.K. this
morning. We have a good end of fun
I tell you about the business boys
as well as staying with the
to see the Edison light - so it is a
big find amongst us the light boys
of Glendale and I hope you may
succeed

Yours Truly

J. E. Field

Glendale

Light Boys Club

P.R.H.

Please direct all Letters by Mail to P. O. Box 3141.

JOHN B. FORD, President.
WILLIAM J. NICHOLS, Vice-Pres't.
GRANT H. SCHLEY, Treasurer.
THOMAS D. OSBORNE, Secretary.
HORATIO F. AVERILL, Counsel.

OFFICE OF THE
Glass Company of America,

EQUITABLE BUILDING, ROOMS 50 to 55.
120 BROADWAY, Corner of Cedar Street.

MADE IN ENGLAND

Have got rid of that trouble
New York, Jan'y 2, 1880

Mr. O. Edison Esq

St. Jan.

I am confident I can make some sug-
-gestions regarding the glass portion of your lamp,
& in preserving the vacuum, that would be a great benefit
to you; on presentation of these you could (at same time)
& thus be able to cover them up by patent on your
Lamp. Should these suggestions be made & prove
successful in accomplishing your ends, would you
give me, as a recompense, say 20 shares of Electric
Light Co. Stock? Some acquaintance with Glass,
& just a smattering as to mechanics, makes me but an
indefinite finger to point the road.

The De la Bastie (or Oil tempering) process on
the use of super-heated Steam process, for annealing the
glass globe portion of your lamp is sufficient & necessary,
but my ideas relate to the inner tube through which
the wires pass to the inside of globe, and is, as I
understand, the weak portion of your lamp, when the
glass proves defective from cracks caused by expansion.
(over)

of the wires in heating—

My address is (for a few days) to the
New York City Post Office.

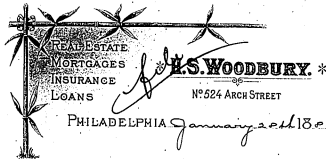
Very respectfully

James H. Shields—

formerly with the Cement Association, Louisville, Ky.
and ^{and} Secy of the Plate Glass Co. at Jeffersonville, Ind.

James H. Shields
New York City
June 1888

Phila Jan 28 50
H. S. Woodbury
N. A. S.



J. R. Edison Esq.

Menlo Park N. J.

Dear Sir,

A short time ago I spoke
to you about bringing a few prominent
men from Philadelphia to inspect your
system of electric lighting at the
laboratory. A company has been
formed and I believe a charter has
been obtained for the purpose of in-
-troducing the light in the State of
Pennsylvania, these men are the pro-
-jectors of the company and will act

under concessions which are to be
obtained from the Edison Electric
Light Co of New York. I have
written to Mr. Gossett in reference
to the matter and have his reply,
stating that he will appreciate your
of your intended visit.

Should you be able to give the
party your personal attention it
would be a great favor and no
doubt render their visit much more
pleasant as well as instructive,
they mean business and want a
practical insight into your system
of lighting.

Very truly,

H. S. Woodbury

It will be over to-morrow (Thursday) eve-
ning. - D. S. W.

effect might be better or
worse than ^{with} your bristal
board, but it seems worth
trying.

Yours very truly
Simon Newcomb

Put former
letter to
Nautical Almanac Office,
Naval Department,
Washington, D. C., Jan 28, 1880

Thomas A. Edison Esq

My Dear Sir,

You do not
seem to have caught my idea
about the electric light. It was
not to use platinum, but some
form of carbon of metallic sub-
stity and compactness, should
such be found. It might do as
well to lay carbon fibres running
the whole length of your boiler shoe.
That is, take carbon strips, comb
it out, pull the fibres together
into a mass of the right
length, and bake that. The

OFFICE OF
The Edison Speaking Phonograph Co.

President,
GARDNER G. HUBBARD,
Vice President,
THOMAS A. EDISON,
Secretary and Treasurer,
E. H. JOHNSON

P. O. BOX 2602: St. ^{W.D.C.} ~~New York~~ ^{file} 1-28-1880

My dear C

By enclosed you will see that some beats are receiving money here on strength of having rights for your rights for Washin.

Because the Edison Telephone is being run here as a tail to the Bell file, they think the rights must be a tail to some thing - & so they advertise it as a tail to Sawyer!!!!

I have some of the best men here ready to put up money on Washin, but Sawyer told me the Co would not make any promises yet.

I hear that these beats have a license or promise of one from a

OFFICE OF
The Edison Speaking Phonograph Co.

President,
GARDNER G. HUBBARD,
Vice President,
THOMAS A. EDISON,
Secretary and Treasurer,
E. H. JOHNSON

P. O. BOX 2702. 2 New York, 1880

man ~~was~~ named Kent who says he has organized 100 companies & has the inside through a Longtown friend.

If you have no more so work you write to Leo & ask if they will let you know when they are ready to contract for Washin -

Yours
W. H. Brinter

[ENCLOSURE]

The Edison Speaking Phonograph Co.

OFFICE OF

President,
GARDNER O. HUBBARD,
Vice President,
THOMAS A. EDISON,
Secretary and Treasurer,
E. W. JOHNSON
P. O. BOX 2702.

File
New York, 18

National Republican.

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A. H. CLAPP, EDITOR.

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Largest Legitimate Advertising Circulation in the District.

WASHINGTON, JANUARY 28, 1890.

ELECTRIC LIGHT AND ELECTRIC LIGHT STOCKS.

White Edison has been spreading himself over whole pages of the New York papers and shouting us deaf over his alleged discoveries in electric lighting, SAWYER, his great competitor, has kept quietly on at his work.

Reliable advisers from both headquarters have no doubt that in all that is useful and practical SAWYER is a long way ahead. But for a temporary injury to his eyes recently, he would ere now have thrown his invention open and shows to the world the astonishing perfection he has reached, and the simplicity and great value of his system. But public demonstration is at hand when all will have a chance to see and judge for themselves.

Another noticeable difference in the two systems and systems is, while the friends of Edison took advantage of their own tidal wave to sell large amounts of their stocks at fabulous prices, the SAWYER people would not, and did not sell a single share, though pressed with numerous offers to buy at double the per value of the shares.

In our opinion, this at least proves the confidence of the owners, those most likely to be misled in the matter and value of the SAWYER system of electric lighting—Edison.

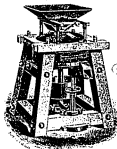
As seen by notice before, prominent yesterday, the Washington Electric Light Company are preparing for business. To make success doubly sure, it is understood the Washington Company have secured the right to operate both the SAWYER and the Edison systems.

OFFICE OF THE UNITED STATES COMMISSIONER OF THE DISTRICT OF COLUMBIA
No. 647 Treasury Building
Washington, D. C., January 22, 1890.
Persons in the District in which are provided for by the act of Congress approved August 12, 1888, entitled "An act to amend the act approved July 1, 1888, for the purpose of introducing evidence in respect to any other system than that of Edison," are hereby notified that
HORACE LITTLE,
U. S. COMMISSIONER.

Jos. S. Swanwick, Resident

C. F. Walker, Mechanical Manager

W. J. Swanwick, Secy. & Treas.



Richmond, Ind. 1/20/94

Mr. Thomas A. Edison

Menlo Park N. J.

Dear Sir

As I promised I will now give you a report on my experiments in making paper for electric lights without going into details as to my experiments which have been of such a nature as to prove to my self that it is practical. but in brief my paper was made in this way I procured some asbestos & paper and some fibrous board and by soaking them they were somewhat pulped I then placed the asbestos between two sheets of the brittle bit and subjected them to pressure while at said cohesion that the product was not solid enough on one other trial I pressed like paper for semi pulp the fly I between rolls which gave better results yet I did not have pressure enough in the rolls to properly solidify the paper I then placed the paper in a clay matrix on

could I be happy to hear of any more, as you may have in
the ~~same~~ line of this place please acknowledge your order and
tell me what you think of it and oblige yourself
Yours truly

Wm. Green, Printer

C.F. Walker, Mechanical Engineer

L.D. Green, Mgr. of Mills



Richmond, Ind. RY

and carbonised it, shield and kept several trials I obtained a favorable result

I think the following plan is a better way to produce the paper I would take finely pulverised asbestos and mix it with proper British hot stock as to the amt of asbestos admissable you could easily ascertain by actual experiment with large or smaller quantities in proportions

Although there is much to be said in favour of the three ply but in preparing it it is necessary to calender (or roll it with) with great pressure to ensure a close union of the whole stock

Of course you are familiar with the old hand process of making paper and by that means you can try the paper with any amt of the asbestos you think proper

I will now leave this with you and I hope it may prove of service to your business if anything more is desired of information I will be glad to impart any information asked.

THE
PERSON

was very many
wants of the
while a number
Engineers have
Copies sent to
direct to me

Fitchburg, Mass Jan. 20 1881.

J. A. Edison, Esq
Wentworth Park N. J.
Dear Sir,

Your favor of the 23rd asking
for reducing motion of the indicator came duly to hand,
and should have been answered before.

Our most workmen have been very busy, so we
would have had one made. As we do not find them
in Boston we send you the only one we have, which
has been used five times, rather than to delay long
enough to make you a better one.

Do you wish to use a while to experiment with, and
then return, or to keep it?

If you wish to keep me we will make a new
one and exchange if you desire.

Presume you fully understand how to use it.

If not please let us know and we will send sketch
and instructions.

Respectfully
C. H. Brown & Co

New York, January 30th 1880

J. A. Edison Esq.
Menlo Park
N.J.

file

Dear Sir

Your favor of Jan 24th is received. You will excuse my reply. The substance, for silica, found at Golden, Colorado, is of a greenish tint, similar to the Bohemian glass, with toughness, and strength. The Pittsburgh glass works have used it. I found by using two globes, for the electric light or lamp, the outer one, protects the inner, and is a fine precaution against cracking. This is patentable.

Yours Respectfully

W. M. Miller

687 Broadway
New York

C. CORNWELL, Pres't.

OFFICE OF

CLARK CORNWELL, Sec'y.

The Ypsilanti Paper Co.,

SEPERING MILLS.
YPSILANTI MILLS.
JACKSON MILLS.
HOGSHEAD MILLS.
WAREHOUSES:
129 DUNDON ST., CHICAGO.
116 JEFFERSON AVE., DETROIT.

PAPER MANUFACTURERS.

Ypsilanti, Mich. *Jan 31, 1880*

now



Mr Edison

*Dear Sir
Just*

*Arrived home from my
Eastern trip, this evening
having been gone longer than
I anticipated when I saw
you.*

*Will look over the stock
of paper on hand tomorrow
(Sunday) and send some
samples at once.*

*Very Respectfully Yours
Clark Cornwell Sec'y*

OREGON RAILWAY AND NAVIGATION COMPANY,
PRESIDENT'S OFFICE,
20 NASSAU STREET, ROOM 24,
NEW YORK, Jan 31st 1880

Ed. J. Mendenhall
Feb 2nd 1880

Better Come up
Let us know up where

G. A. Edison Esq

1 Menlo Park

Dear Sir,

With regard to the Electric
Light on the U.S. Columbia, I
beg to submit the following for your
approval or objection as the case
may be

Firstly in relation to the speed
of the Gully on the generator, you
did not tell me how many Revs.
per minute it required for its max-
imum effect, but I suppose it
requires about 800 per minute if
that is correct or not please let me
know, again instead of planning
with either better ground a counter-
-shaft, I propose to run with

OREGON RAILWAY AND NAVIGATION COMPANY,

PRESIDENT'S OFFICE.

20 NASSAU STREET, ROOM 24,

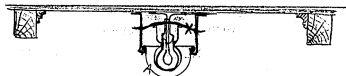
NEW YORK,

18

3
a nonconductor between dynamo & pulley.

Secondly, as regards the lamp itself, I support it in a wire cage without running the chances of it cracking when heated, for as you proposed to suspend it from the ceiling it is the only way I can think of doing it, and being on board of a ship it will have to be rigid, or as to keep it from swinging and as I suppose that all of your lamps will be of the same length I will put them up in this manner that is if you don't think it will be detrimental to them

DM



The yellow line showing the fine brass wire supporting lamp.

A being an opal shade outside of the lamp.

X being a metal reflector and heat protector for the ceiling carrying the opal shade, and wire bracket holding the lamp, and screwed up to the ceiling solid. in the other rooms I will put an ordinary gas bracket with globe. Or that if you can oblige me with a lamp (a broken one will do) to fit to, it will oblige and help me along considerably. also will you supply the sockets to drop the lamps into or will I get them

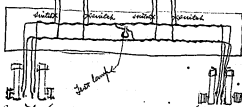
OREGON RAILWAY AND NAVIGATION COMPANY,

PRESIDENT'S OFFICE,

20 NASSAU STREET, ROOM 24,

NEW YORK, _____ 18

5.
 Made out of wood myself,
 also will I take the main wires
 from the dynamo's and twist
 them into a cable and then
 branch off from them, by the circuit
 wires thus



with a switch on every circuit, and a
 test lamp between the main cables
 for the engineer to control them by
 or will. I use a $\frac{3}{8}$ " dia copper rod
 instead of twisting them together
 and lastly what actual Horse
 power will I provide to run the
 four dynamo's with. I don't

think from what I saw that each
one ought to take more than
two H.P. which would make eight
but twelve I think should be all
sufficient.

Also if you will let me know
the party that is building the
dykes for us I will send the
Junction Puller's for them.

or trusting you will excuse me
for this long account

I remain Sir

St George Hotel
Philadelphia
Pa

Yours Respectfully
J. C. Brindson
C Engineer
O. R. & N. Co.

P.S. if it will suit you better I will
come up for your answers to
the different things if you drop me
a postal to that effect

JCB

NO. 10000

Chas. Feb. 25 80

J. H. Colson Esq
Miner Park St.

Dear Sir!

In receipt of your
favor of Jan 27th, I beg
leave to state that I shall
send you two samples of
my preparations on
Wednesday next

Yours respectfully
H. O. Sarsaparilla
223. Corner St.

J. E. Lamp
T. A. EDISON.

Menlo Park, N. J., Feb 2^d 1880.

Get from ~~Bohm~~ ^{Bohm} samples
of tubes large & small as
used in lamps and send
by Express to

H. C. Lippincott
35 ^{Michigan} St
Pittsburgh Pa

an inch of each
will do

TAE

Johann's Sewing
Machine Co

These in a box with
Saw dust and send

by Express to above address

W. Cannon

that will not
make a ne
that will not
anything
Carbon
in place of
in place of
in place of

Worcester Mass.

Feb. 2, 1880 -

Thos. A. Edison Esq.

Dear Sir - I have read
the description of your Electric
Light in Scribner's Magazine
for February.

A perfect vacuum [Torri-
cellis] may be produced by
filling the [inverted] lamp
with mercury and drawing it
off through the tube, F, which
must of course be more than
39 inches long - (See Fig. 8, p. 537).

If the carbon horse shoe,
L, is not strong enough, it may
be wrapped in tin foil; which will
be melted by the first current.

Please notify me if this
suggestion has value.

Yours truly, A. S. Marble.

PLUMER B. SARRIS.

*of Mr. Weston
No reply*

OFFICE OF
DIXON & SMITH,
PATENT ATTORNEYS,
CORNER LA SALLE AND MADISON STREETS,
ROOMS 43 and 44 Meigs Block,

T. S. E. DIXON.

CHICAGO, Feb. 2 1880.

Thomas A. Edison Esq.
Menlo Park N.J.

Dear Sir,

Please pardon the liberty I take in concerning a moment of your valuable time.

Reading last evening Mr. Weston's clear and luminous description of your electric light, two suggestions occurred to me which an impulse prompted me to lay before you. They are so very simple that I hardly venture to state them, as they are so likely to have been considered.

First, to overcome the annoying and merely mechanical difficulty of the cracking of the glass, through which the platinum wires pass, I would suggest that, instead of passing the wire through the glass, a small brass cylinder or tube

be passed through the glass, this cylinder having a thin wall and an interior bore (possibly not exceeding an eighth of an inch diameter); if preferred its exterior surface might be corrugated to make more secure the union of the glass. The pass the platinum wire through the center of this tube and close in a suitable manner by a "non-air-conducting" material the outer end. The air now being exhausted from the globe and tube the expanding and contracting platinum wire should have no effect upon the glass. To prevent the wire from touching the brass or even slightly heating it a packing of asbestos, plaster of Paris or cement of similar non-heat-conducting substance might be interposed. Or, by means of screw-caps on the ends of the tube

PLATE B. SMITH.

(2)

OFFICE OF
DIXON & SMITH,
PATENT ATTORNEYS,
CORNER LA SALLE AND MADISON STREETS,
ROOMS 42 and 43 Major Block,

T. S. E. DIXON.

CHICAGO, 1880.

This packing might possibly be brought under such pressure as to be, itself, non-air-conducting also, in spite of the alternate expansion and contraction of the platinum wire. I purposely leave the suggestion incomplete as to the manner of closing the outer end of the tube. The element of vitreous fracture is now removed from the problem and the door opened for the employment of the best among a large variety of materials.

My second suggestion relates to the production of a vacuum in the globe.

In my college days a favorite experiment was the production of chlorine and I became somewhat familiar with its properties.

My suggestion is that previous to producing a vacuum in the globe

it be filled with chlorine. This heavy gas will readily displace the air.

Thin exhaust the chlorine and however imperfect the vacuum no harm can result, as neither charcoal, diamond nor platinum, provided they be pure, are affected by chlorine. They do not combine with it and may be heated in its atmosphere without undergoing any alteration.

Carbon cannot directly unite with chlorine, which is not true of nitrogen or any other gas, although chlorine supports the combustion of other substances.

The principal function of the vacuum would then be to prevent the radiation of heat to the globe.

This process of producing a vacuum for your purpose is clearly patentable, provided chlorine has not been used for this purpose in the relation before, as

FRANK B. SMITH,

(3)
OFFICE OF
DIXON & SMITH,
PATENT ATTORNEYS,
CORNER LA SALLE AND MADISON STREETS,
ROOMS 43 AND 45 MEYER BLOCK,

T. S. & DIXON,

CHICAGO, ILL., 1880.

no other gas has its peculiar properties. Carbon, also heated in chlorine cannot change into the form of graphite. Possibly an advantage would be gained by uniting the platinum to the ordinary wires within a small supplementary globe or bulb filled with chlorine, when if the interior passage became imperfect no harm would result, and if the exterior passage were injured the odor would attract timely attention. In the exterior passage there would be but slight expansion and contraction. I have not "reduced to practice" any of these incomplete suggestions, nor shall I. The law was settled in the Supreme Court, in the case of Prof. Morse, that a distinguished inventor laboring in the field of scientific research is at liberty to avail himself of suggestions

and counsel from every quarter
without impairing his rights as an
inventor. "And the fact that Steiner
sought and obtained the necessary
information and counsel from the witnesses
and acted upon it, neither impairs his rights
as an inventor, nor detracts from his merit."

Of course this letter is couched in
my favor, and while I cannot expect
that the suggestions made are of any
value, I trust that this letter, in the
spirit in which it is written, will
not be regarded as an impertinence.

Yours truly,
T. S. C. Dixon.

P.S. Mr. Whitton will find a note from
my pen in the American Journal of
Mathematics Vol. 1, No. 2.

CORNWELL, Pres.

OFFICE OF

CLARK CORNWELL, Sec'y.

The Ypsilanti Paper Company.

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115 Dearborn St. St. Paul.

YPSILANTI, MICH., Feb 4 1880



Hold
sample
when pin paper

sample
need very
little of it
don't work well
for some reason
I have seen
some in quantity
I have
Thank you for the
Carbon
The Carbon is made from Keweenaw Ore, C.C.

Mr A Edison

Dear Sir

I send you today by

Ans Exp. a sample of wood paper.
to find out if this material will
make the Carbons you require.

I will have to make some changes
in the machinery to make the required
thickness and finish.

If this material is any better than
Bristol Board or other material you
use. (I can only experiment on Sundays
as we are so crowded with other orders.)

I will try and make the paper you
require. let me hear from you soon.
Carnegie and Oblive Louis & Clark Cornwell

Holyoke Mass.

Febr. 14, 1880.

P. A. Edison Esq.

Froville:

Yours of 2 inst.

recd. & paper sent Mr. Gardard

I shall be pleased
to send you gas statistics; but, can
do so more satisfactorily for both of
us, if you will state the points you
wish them to cover, as an lawyer
say give me a bill of particulars.

Want the Capital stock say twenty yours,

net of 1000 feet gas sold

yearly price per 1000 to

small & large consumers

no men employed in gas work

ground reserved - if its goodly do

J. K. Haines

#4 - New York, 7/5/80

T. Edison -
Menlo Park,

Mr Starbuck will
call upon you tomorrow
in my behalf in regard
to European stocks

A Willard
15 paid
Hoxen
11:0 pm

✓ New York 7/6/80
T. Edison
Menlo Park.

Can you see Mr
Starbuck in regard to
the matter about which
I telegraphed you yesterday
if he comes out
on the one o'clock train

25 paid
Hoxen
10:39 am
2 collect

~~W. Willard~~ Presdt
Oregon Steam Navigation Co
NY
Yes sir
T. Edison

Madison
7/20
found
letter
to
him

GEO. H. LEVIS,

408 Locust St.
Philadelphia, Pa. 6. 1880

J. A. Edison Esq
Dⁿ

I wrote you
some days since in relation
to annealing some of your
globes, if the proposition
contained in my letter was
not satisfactory to you what
would be? I really think
I can be of service in
the matter proposed.

Very truly
Geo. H. Levis

GEO. H. LEVIS,

408 Locust St.

Philadelphia, Pa. Jan 31st 1880

J. A. Edison Esq
Dⁿ

Mr W. M. Sperry wrote
on the 20th concerning our process
for annealing glass. You replied
promptly on the 28th.

Would it be practicable
for you to permit us to anneal
up of your globes. Our process
to a certain extent does away
with the brittle nature of the glass.

If we could do these globes
we can then on thank help you.
It is deemed to post I send
them to your address at once.

Yours very truly
Geo. H. Levis

Brooklyn C.D. Feb. 4th 1880

Mr. Edison

Dr. Sir

I am ready for your experiments
for I see my Furnace is ready
for next week to work. I would
like to see you by Saturday if
convenient at Menlow Park
with for an early reply.

Respectfully yours.

Alphonse Pettie

7 Yates Ave. Brooklyn

A.P.

Consulate General
of Russia
to the United States.

New York 9th February 1880.

New York
N. Y. E.

God you can write a general idea
of our system & what we propose
to do. Let me see it

I suggest referring him to the scribner article &

Vice Admiral. Pashchewoff, requests me by
a letter of which I have the honor to enclose a
translation, to give him particulars on your last
remarkable invention in the sphere of Electric
Light. - Not being competent myself to treat
the subject, and not wishing to give eventually
incorrect information, - should I take them out
of the local newspapers - I take the liberty
to apply to you hoping that one of your Sec-
retaries may forward to me, the positive
elements of an answer to the Admiral's enquiry

I have the honor to be

Dear Sir

To Mr. Edison
Man to Park
N.Y.

Very Respectfully
[Signature]
Consul General

Translation of a letter addressed by Vice Admiral
 Pistocharoff Director in the Imp^l Russian
 Ministry of the Navy to P. de Kartschensky - Comd
 General of Russia in New York.

Dear Sir.

Many of the European Newspapers and more particularly
 the London Times have published lately several articles
 about a happy and remarkable solution by Mr. Edison
 of the problem of applying the electric light for the
 illumination of buildings and streets. The Imp^l & Mi-
 nistry of the Navy attaches the highest importance to
 the questions relative to the Electric Light, but not know-
 ing what in the Newspaper articles must be accepted
 as real truths, I beg to address myself to your Excel-
 lency, requesting of you to inform me in what consists
 the last of Mr. Edison's remarkable inventions - in the
 sphere of Electric Light.

Respectfully

(Signed) Pistocharoff.

July 9, 80
1, 05 am

NYA
TRedison

Will see you tomorrow
afternoon answer
whether convenient

W.H. Starbuck

paid
49.

3 New York July 10/80
20 Edison 17 1/2
Mr Villiard to see
to converse with me
in regard to your
matter, soon as he
is able will talk
with him and with
difficulty what we
will do is this
satisfactory.

W.H. Starbuck
32 paid
152



P.O. Box, 4689.

New York, Feb. 11th 1880.

Thos. A. Edison Esq.

Dear Sir:

In regard to the samples of annealed glass which you recently tested and found unsatisfactory, the party who furnished the samples states that he was not aware for what they were intended, and that they were of a poor quality.

He is confident that he can produce a glass sufficiently tough to answer the purpose.

If you think it worth while, please send me a few of your globes, and I will forward them to him ~~for~~ to prepare them for your tests.

Yours truly
Lemuel W. Serrell
W. Binckley

If you can suggest or ascertain
my way, I will pay you first
Thomas A. Edison. Esq.

Dear Sir,

I am a glass manufacturer and have a
great deal of experience in combining glass with
metal, and reading in the papers, that your electric
lamps are cracking from such imperfect construction
and being able to give you some valuable advice for
the more perfect construction of the same, I therefore take
the liberty to offer you my services for such purpose.

Very respectfully
Greenbank, Feb 13, 1880.
Burlington Co.

NJ

Yours etc.
Chas. Jerome.

Thank him kindly saying that
we will try the paper since
report received =
J. N. Edison Engg
Dear Sir

Moulton
Northampton
England
6th Feb 80

I have been to the Paper Mills
and have secured the necessary information and
samples of their make which is the best in the Kingdom
as the make for the Bank of England and the
Government Postage Stamps. The sample sheet
of Bank Note Paper is all what they call "Strong" all
but linen, that sheet if put flat through the handle
of a 56 lb weight near both ends at top and stretch the
paper in one hand will lift the weight without injuring
the paper at all. They can make that to any
thickness you may require in sheets of any size and
they could be cut at your end to suit. The sheets
could be ordered so as to cut a certain number without
waste. All their Paper is Hand Made by ordering
large sheets left open, as a small sheet is just
as much labour all through as a large one.

There is no chemical or any other substance or matter
whatever in the make of any of their Papers. The "Reg'd"
is tinted with best "Madder Blue" - The Bank Note Paper
Linen is washed with pure water not a particle of
Soda. So it is thus the "Strong" Paper is all linen

and nothing used in the Grinding or Making
from beginning to end but a continuous grinding
in these water until the Pulp becomes in appearance
like unto thick Cream then it is ready for the Stone
and Paper.

The two Samples of Pulp are only in part
ground. They are both Cotton and Linen the white
one has more Liness in it they call it "Stronger" than
the other. (They had no Pulp all Linen ready)

The sample that "Royal" is the best they make
for Sedges that has been "Glazed" nothing put upon
it; Simply rolled because Linnæus had Copper
plates. If you order should you wish it
"rolled" Glazed. I could not get the Price
you to but at about the same as charged to
Government that is the very best Linnæus "Strong"
thought it might come something under 2/6 per lb
the size of the Sheet would make a difference the
larger the charge less laborer. I think they buy raw
Linen for strength. They will make a 100 lb Sample
but if it exceeds a few pounds we must take it.

They do not make "Burdell" Board they think
it is made by Machinery part of not all Cotton

I have written to "Burdell" there are 2 Mills but
neither make the Board now - it is made in Scotland
I have written there, no answer at present.

When I get it will write part out as.

Try what effect saturating your bird in
Mell Vinegar and then gradually dry it before
staring after Charring also and dry
on any strong acid.

Yours Respectfully
J. H. H. H.

P.S. Your correspondent is an Old Man 70 years of
age on the 17 of March next. 1888.

St. Patrick's Day }
Put out an Irish Man.



L. P. Haskell,

DENTIST

128 State Street,
Corner Madison.

Chicago, Feb. 14, 1880

Mr. Edison,

Gold alloys easily with Platinum
etc

Dear Sir

A thing was brought to my notice yesterday which it occurred to me might interest you in connection with your "Carbon horseshoe". It was a relic from the "great fire" in the shape of a spool of cotton. The cotton was completely charred, but the spool was charred still more, so that it could be found inside of the cotton. I thought you might possibly derive a hint from it, which would be of value to you.

In reading some time since of your experiments with Platinum, I was reminded of a fact in regard



L. J. Haskell,

DENTIST

126 State Street,
Corner Madison.

Chicago, _____ 187

to platinum, that I had long been
conversant with. In making sets
of artificial teeth, on platinum, and
covering it with porcelain, when sol-
dering the platinum I use pure gold,
and find that in baking the porcelain
at a temperature of 2500 to 3000,
all traces of the gold disappear into
the plat. And it is astonishing
what an amount of gold will thus
be absorbed by the former metal, show-
ing that it ^{can} not ~~is~~ be ~~as~~ dense as
is usually supposed.

Truly yours
L. J. Haskell

London: 4, Great Lane, E.C.
No. 212, Rue de Paris.

ALBION TUBE WORKS.

Birmingham, Feb. 16 1880.

J. A. Edison Esq.

Meads Park. N. J.

Sir,

We are much obliged for your note of 2nd inst. and
we quite see that the present time is too early for
you to say anything about Tube Contract, but we
venture to hope that when the proper time arrives
you will not forget our application, and will favor
us with some specifications, which we shall esteem
it an honor to execute.

We are.

Yours Truly
Alfred Lloyd.

Brooklyn Feb 17/80

J. Algood

news

file

Brooklyn C. D.

Feb. 17th 1880.

Mr. Edison

Dear Sir!

I presume you will re-
member that about four
weeks since, I spoke to
you in reference to what
I considered a better material
for your carbon Horse shoes
than what you were using
but at that time, was
not prepared to submit it.
I am in a position to do
so now, and will be at
your Laboratory to-morrow
Evening (Feb 18th) at about
8 o'clock P.M. When I will
present specimens for trial
hoping to meet you at that time.

over

79-4 st.

Yours very truly
J. Algood

I am should be made
to see me at that time,
will you please telegraph
me at my expense,
I will also ^{for} my with me,
the gentleman who runs
the Gold Bearing ledges
in Ulster Co. N.Y. who is
my personal friend
Y.

MEMORANDUM.

FROM

The Buckeye Engine Company,

EXPERTS IN STEAM ENGINEERING,

EASTERN AGENCY,

Headquarters for the Sale of the Buckeye Automatic Cut-off Engines, East of the
Meridian of Washington, D. C.

Room 23, Coal and Iron Exchange,

COIL COURTLANDT AND SPRING STS.

Wm. Lee Church,
Geo. A. Barnard,

NEW YORK.

New York, Feb 24 1890

To: *Thos A Edison*

Frank Park

Dear Sir,

Squid occurred. It strikes me that the definition immediately following our objectionable "33,000 foot-pounds" lets us out as to the element of time included. Any how the Buckeye can raise a foot-pound a minute, whatever the rest of the big can do. Meanwhile we contest the 3 Henry's. But will surround myself at your expense on the next incursion. Hoping you will continue to absorb wisdom from our pamphlet - we are still the Buckeye Engine Co.

per Yours W. Church

Nautical Almanac Office,
Navy Department,
Washington, Feb 24, 1880

Professor
no ans

file
Thomas A. Edison Esq

Dear Sir,

I have been
continually studying out the prin-
ciples on which electric light-
ing depends and devising a
system of applying them. The
result is that I have hit
upon a plan which, so far
as I know, is new, but
which will require a good
deal of experimenting work.

To determine whether it is
practicable, and how it
may best be carried out.
You are in a pretty better
condition than I am for
such trial, and I am willing
therefore to turn over the
whole matter to you for
what it may be worth.

Perhaps a fair arrange-
ment would be that if
any of my own plans are
successful without any
great modification, I

should have one half the
patent right. If new and
laborious additional con-
tributions are required,
then I to have one third,
always supposing, of course,
that my prepared system
is the one used.

If these terms are
acceptable to you, let me
know, and I will furnish
you complete description
and explanation, with
description of several paten-

to the far as some of
what you might be
able to try within 24
hours.

Yours very truly,

Simon Stearns

Nautical Almanac Office,
Navy Department,

Washington, D. C., Feb. 25, 1880

Yes indeed that but there
is too much radiating
from the surface so that there is
no economy

Since writing you
yesterday, I find that you
have already patented your applica-
tion of my system so that it
is not likely that I can say
yet anything new to you. I am
the combination of finely divided
metal with a nonconducting
substance.

Have you tried putting a
cheap metal, not too good a con-
ductor, through a very thin table
of calcium, but so the metal will
not run out when melted?
Yours very truly

Thomas Edison.

Simon Newson

Blank No. 1
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been approved by the several State Legislatures.
Messages are delivered either by electricity or by means of the pneumatic system, and the Company will not be held liable for any delay or loss in transmission or delivery of Unrepeated Messages.
This message is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

A. T. HILWELL, Secy. NOWVIN GREEN, President.
Date: Wilmington N.C. 2/25/80 1880
Received of: J. F. Odison
To: J. F. Odison

READ THE NOTICE AT THE TOP

Cannot come. Duties
here. Send lamps and
circuit test for
light and current
C. F. Brackett

145A
HC2

Write Hunt and Voorhes
Produce men
New York
Palmetto strands
such as used for tying
Asparagus
on order file
M.C.

Mr. Elliott (Feb. 1880)

Per address this card &
write to

J. P. Henderson

Super. Engineer C.P. & N. Co.

Send by mail to night

Trading of Dynamo

Latest file

Address
J. P. E
H.

St George Hotel

Philadelphia

Written
M.C.

(Feb. 1870)

250 Horse Engine proposed to be used in Electric Light.

1. What is the highest advantageous speed of Engine; that is Number of revs. per min. -
2. What is the diam and face of Bandwheel - supposed 11 ft diam 30" face -
3. What is the piston speed -
4. What is the Steam pressure
5. Will Seal dimensions from your furnished drawing be approximate correct for general dimensions -
6. Could a less wide belt on larger diam Bandwheel be adapted, without affecting the construction of engine.

Jul 20/70

264

(Feb. 1850)

Order for chemicals
for glassman

for experiment,

Red lead. 200 lbs;

Bicarb soda 100 "

Good Commercial Potash - 100 lbs.

Salt peter 100 "

Borax 75.

Send to.

Alphonse Peltier

12 Yates place

Brooklyn

E.D. @

Pro.

What is this

Hoboken Mar 22 '80

Amway
now

Stevens
Institute of Technology

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

March 2, 1880.

My dear Mr Edison,

One of my students
Mr. Howell, who writes Steel's Park,
informed me that you had expressed
some surprise at my having one of your
electric-lamps in my possession, & as
only a few had left your hands
which were in good order you found
that the one in my kept might
be imperfect.

I had no idea that the
lamps were not in the hands of
many persons, & therefore I should
have applied directly to you.

I obtained mine from the
Scientific American office one day

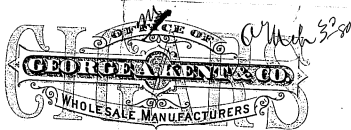
about three weeks since, and I then
asked for it mainly because it was
convenient for me then to get it
without going to Meads Park.

I have been making many
experiments on the lamp chiefly in the
direction of increasing the resistance
of the carbon horseshoe when cold
compared to that when hot, and
have obtained many interesting results.

If you have no objection I
should be very happy to have the
loan of a few of your lamps to
extend my work in the direction
of ascertaining the amount of light
given of definite amounts of
electromotive force.

Yours very truly

Alfred W. Hayes



Binghamton, N.Y. Feb 7 1880

Thos A. Edison:-

Dear Sir:-

I am about to build a brick house - have confidence that the electric light in some form, will prove a success. How can or should I pipe for gas, and at the same time prepare for the introduction of the electric light when same is perfected.

Could a wire be run through the gas pipe, & if so what kind & size.

Pardon my intrusion on your time, which is valuable, I am aware, but I always try to pro-

ever information from headquarters.

Sincerely hoping that you may
succeed in your endeavor to give
the world a better light than
it has ever had, & cheap enough
to come within reach of the
masses, I am

Yours respectfully
E. W. Hunt

Run 2 No 17 Copper wire double
covered through all pipes except

How chandeliers - wire can
be obt^d from Eugene Phillips
Prav Rd

700
Philadelphia Pa
March 3rd 1880 -
T. A. Edison Esq
New York n. y.

Dear Sir - Referring to paper
for carbonizing -

J. B. Crane Dalton Mass; is
Mfg of both wool and silk fiber
papers - Dextrin Sons member
Locks Com. of black French
mailla - These papers wear
one way easier than the
other - If such paper -
unsized - was so. Doubled
as to cross the fibrous stru-
-cture of the paper and was
then adhered together by a
sizing of common glue boiled
in serum of milk (whey)
or skimmed milk - which
would reduce to fine grained
carbon - it might prove durable
whey added to glue changes

it as sizing. -
Woolen Paper simply immersed
in solution of Sulp. acid - is
suddenly changed in its fiber-
-ous structure (See Works
Chemistry for formula of
Solutions) - and would
Theoretically - seem to be
improvised for carbonizing
Will confer with my
brother at Holyoke the
matter -

I want you to make
your light prominent
if not already so. -
If your light aint new
these college snides cant
duplicate it - Eh?

I can see innovation in it
and you have simplified ^{and}
perfected it so as to place
it in the hands of the public
a result which involunt innovation
of the most marked character
Yours &c C. E. Beall

~~Office of the~~
OFFICE OF
The Singer Manufacturing Company
No. 31 Union Square

New York, N.Y. 5th 1878

Mr. Thos. A. Edison
Menlo Park N.J.

Dear Sir

Some time since at your request we sent one of Machines to your address for experimenting, in order to keep record of same it was charged to you, and in closing our books we find the Ac still open, please advise us if you wish to retain the Mach' + oblige

Yours truly
The Singer Mfg Co
per J. H. Hendenburgh.

Walter change
this to profit
less as I have then
all my old papers for
use when our line
is some off

Dracal, Morgan & Co

P.O. Box 3036

New York, N.Y. Dec. 15th 1880

Friend Edison,

For your own private in-
formation I enclose a letter
from Mr. Wilber to which
I beg ^{to call} your careful Consi-
-deration - As you will
probably have shortly some
fresh negotiations with
the Western U. S. Co. I sug-
-gest that you take that
opportunity to make it
part of your bargain
that the W. U. grant you
an exclusive license under

the Page patent (which
they own) for the purpose
of your Electric Light

I think you can get
it yourself without effort
or pay & strongly recom-
-mend your doing so as
soon as the chance offers.

Yours truly

J. P. White
This is of course strictly
confidential & you must deal with Mr. Wilber
as if the demand originated entirely with you -

J. A. Edison Esq
Menlo Park

March 16

Bro. S. E. Foxworth
New York

My beloved

Is it a fact
that Sells Bros. have
arranged with you
for the use of your
right with their circus?

Please let us know
at your convenience
Yours truly
P. A. Bacon

OFFICE OF

EDWIN M. FOX,

Attorney and Counselor at Law,

No. ~~1250~~ ¹²⁵⁰ ~~Room 24~~ ^{Room 24}

~~Room 24~~

New York, Oct 17 1888

My dear Edison:

I will be out
to Meads tomorrow or the
next day and settle up
that matter of Overbilling

By the way when
is the Howland Committee
going to have their report
put in light. Don't fail
to let me know as
I want to publish it
if its favorable -

Truly
Yours
Edwin M. Fox

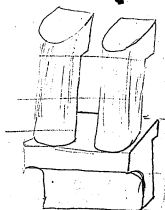
Mr. Abbott
Please to A. J. Buttler
New Brunswick

We find that the glass
blower cannot work the exact
sizes therefore please to
turn 50 of the pump
parts $3\frac{1}{4}$ inch diameter

~~Watts & Pump parts~~

~~Prison 12 more of these~~

A. J. Buttler



New Brunswick.
Dear Sir Mar. 18/80
We ship part of the
Camp Post tonight
Yours Respt
A. J. Buttler
P.S. Your card in at
hand - we have so
done - the remaining
50 we will turn $3\frac{1}{4}$ inch
order on card -
Yours. A. J.

A. J. Buttler Mar 18 1880

PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, *W. M. M.* Office, _____ Operator, _____ o'clock, M. *3/20* 18*50*
From *Phila* For *H Edison*

*By Barker
4:30 approx AM
4:40 had better come*

*Report from Rowland good will give
you a proof next week do you want any
extra copies - If it presented would
it not be better for me to come over
on Monday afternoon and get the
lamps (I don't run the risk of having them
broken by Express)*

Barker

J. C. Henderson Esq.

O. R. & M. Co.

20 Nassau St Room 29
N.Y.

Will I have to furnish the
dockets? I understand that
Mr. Cary was to have them made
after the sample which I had
made for him & sent to him
the day after he was here.

Please answer as soon as
possible.

I shall do all I can to have
things ready for you at the
time mentioned. It will
be somewhat doubtful about the ^{the} ^{quantity} ^{of} ^{the} ^{great}
number of lamps of J. A. E.

W. H. Mads 20
Jan 14

Prof. Baird

University of Penna.

Phila

I send you today per Expr.
2 cases containing 2 Chandeliers
& 1 Student lamp for electric
lights

W. H. Mads 20
Jan 14

T.A.E.
of interest to
you

Rochester N.Y. Mar 22^d 1884

Thos. A. Edison Esq

Dear Sir:

While I was down east last week I was courteously requested to communicate with you, & therefore I do so, hoping it will satisfy you as well as them.

Some time ago when it became of public interest, your invention of the electric light - as you have known it, I made the remark in company that, the electric light in Mass was over 30 years old, I said this with no intent to prejudice anyone, but I have been applied to for proof of what I said, I mentioned all this to parties who evidently have some pretensions & they asked my permission to look (say before you); what is referred to I have in an old English publication, & as I feel sure there is not such another in this country, I will copy for you (if you say so), so that you can see at once if it has any bearing on your interests.

As I am an inventor myself, & much interested in patents I only do & advise. As I have much other business to do & to do.

Yours respectfully

James Keyser Jr.

P.S. I have positively refused to allow the least part of my possession, but for you will copy it off & send me.

Please send copy - Grove Davy

rather produced the Edison
I saw many years ago but I
your name had something to do

3/10/88
T A Edison

MPL

Will you please give
me address of
Swayer the Electric
light man and

Frank

Send my
love

Don't know exact address
perhaps in some room in
Walker St

EK

FRANCIS S. KINNEY, Pres^t

KINNEY TOBACCO COMPANY.

HENRY A. CUPPIA, Sec^y & Treas^r

SUCCESSORS TO
KINNEY BROTHERS,
515 to 525 West 22^d St.

Ans^d Mar 27 -
will be to come
N.Y.

New York, March 24th 1880

Prof. T. A. Edison
Menlo Park, N.J.

Dear Sir,

I was sorry not to meet Mr Bachelor
today and explain a few matters about the
press he looked at when here, - and
think perhaps it would be better for me to
see him before you purchase. It would be
interesting to me and afford me great pleasure
to visit your laboratory, if agreeable to you, and
I would then be able to answer all questions
which Mr Bachelor might wish to ask.

The principal point is, - how long would
you want to keep up a very great pressure.
If you desired, say, to keep up a pressure
of 100 tons for 10 or 12 hours, it might
be well to modify this press in some particulars.

note Kinney
over. tell him we
shall be very happy
to see him any time

of course to discuss
the matter of the
contract with the
company. I think
it is better to
discuss it with
the company first
before we discuss
it with the
Director.

he likes to come over
to see the
Batch
The Director is
not sure if he
will be able to
attend to the
matter at the
moment.

to discuss the
matter of the
contract with the
company. I think
it is better to
discuss it with
the company first
before we discuss
it with the
Director. I think
it is better to
discuss it with
the company first
before we discuss
it with the
Director.

Mar 26, 1901

Remme Depot West Philadelphia 26

A A Edison

If convenient will indicate
engine Saturday Sunday
and Monday can I get
lodging. Is there an indicator
banked with me answer

W B Marks

21 part
Hwy

Report of Experiments made and results obtained by Professor Prachett and Professor Young in their investigation of the electric lamp at Menlo Park, Friday, March 19, 1880

Constants and Fundamental Equations.

One Horse Power equals 33000 ft. lbs. per min.

One foot-pound equals 1.356×10^7 ergs

E. M. F. of a Daniell's cell is taken to be 1.079 volts.
of 20 cells is $20 \times 1.079 = 21.58$, log. 1.33405

$$W = EIt = E^2 R t = C^2 R t$$

Unit of E in Volts = 10^8 C. G. S. units

" " C in Wires = 10^{-1} " "

" " R in Ohms = 10^9 " "

W in one minute = $C^2 R 60$ in ergs

$$= \frac{C^2 R 60}{1.356 \times 10^7} = \frac{60 \times 10^7}{1.356 \times 10^7} \text{ ft. lbs. per min.}$$

$$= 44.25 - \text{log. } 1.64589$$

$\frac{44.25}{33000}$ is the constant for reducing energy, obtained from the above formulae to Horse Power.

[log 7.12738]

- Determination of the work expended in driving the Dynamo-machine

Data.

Diameter of driving pulley 38 in.

Revolutions per minute 188

Difference of tension between driving and following branches of belt, as indicated by Dynamometer 98.8 lb.

Angle between branches of Dynamometer belt assumed 36°

$$H.P. = \frac{98.8 \times 188 \times 38 \times \pi}{12 \times 33000} \text{ sec } 18^\circ$$

Of this 5.58 H.P. a small amount was expended on the friction of the dynamometer pulley and considerable more upon that of a counter shaft between the dynamometer and machine.

The precise amount of this expenditure we have no data for computing with accuracy but judge that it may fairly be estimated at about 6 percent. If set aside as the work expended in driving the armature of the machine 5.59 H.P.

Computation

98.8	1.99476
188	2.27416
38	1.57978
π	0.49775
sec 18°	0.02179
33000 a.c.	5.48159
12 a.c.	8.92082
5.878 H.P.	0.76995

There was expended in driving the machine 5.878 Horse Power.
5.878

Determination of the work expended in maintaining the field of force.

Data-

20 Danielli cells gave a deflection of 340 divisions with High Resistance Rheostats. Pinnals of the coils which maintained the field of force gave a deflection of 166 Div. Resistance of coil on magnet was 1423 Ohms.

$$E = \frac{340}{166} \times 20 \times 1.079$$

Computation	
166	2.22011
21.58	1.33405
340 a.c.	7.46852
E = 10.536 volts	7.02268

$$E^2 = 2.04536$$

$$R \text{ a.c.} = 9.84466$$

$$\text{H.P.C.} = 7.12738$$

H.P. = 0.104 expended 9.01740
in maintaining field of force

Assuming that the firing machine had the same efficiency as the distributing machine viz. about 58%, the power expended to produce an efficiency of 104 H.P. will be $\frac{104 \times 100}{58} = 0.13$ H.P. This added to the 5.878 H.P. expended in driving the distributing machine gives 6.008 H.P. as the total Horse Power expended in driving the work done by the distributing machine.

6.008 Horse Power Expended.
5.72

3. Determination of the efficiency of the distributing machine.

Data: High Resistance Galvanometer was adjusted so that 20 Daniell's cells gave a double deviation of 131 divisions on the High Res. Gal.

Formulas of the machine gave a double deviation of 622 divisions.

Resistance of circuit external to armature (adjusted to be nearly equal to that which it was assumed will be realized in practice for 60 lamps).

measured at beginning of experiment 269 Ohms

measured at end of experiment 305 Ohms

The change was caused by the rise of temperature during the experiment.

Mean resistance assumed 2.95 Ohms

Size of electrodes 2.8 cm x 39 cm.

* Thickness of negative electrode 3.358 gm. Cu.

Duration of experiment 5 minutes.

Resistance of armature 0.14 Ohms.

Factors

$$E = \frac{622}{231} \times 21.58$$

Computation

$$622 \quad 2.79379$$

$$21.58 \quad 1.33405$$

$$131 \text{ a.c.} \quad 7.88273$$

$$E = 102.36 \text{ volts} \quad 2.01057$$

$$C_1 = \frac{W \text{ in mg.}}{32.6 \times t \text{ in sec}} =$$

$$\frac{E}{R} = C_2$$

$$W = 3358 \text{ mg.} \quad 3.52604 \quad E \quad 102.36 \quad 2.01057$$

$$32.6 \text{ a.c.} \quad 0.48678 \quad R \text{ a.c.} \quad 9.53018$$

$$t \quad 300 \text{ a.c.} \quad 7.52291 \quad C_2 = 34.734 \text{ Weber} \quad 1.54095$$

$$C_1 = 34.335 \text{ Weber} \quad 1.53573$$

$$\text{Force Power} = C^2 R \times N.P. \text{ Constant}$$

$$C_1^2 \quad 3.07146 \quad C_2^2 \quad 3.08150$$

$$R \quad 0.46982 \quad R \quad 0.46982$$

$$N.P. \quad 7.12738 \quad N.P. \quad 7.12738$$

$$N.P._1 = 4.663, \quad 0.66866 \quad N.P._2 = 4.772 \quad 0.67870$$

mean value N.P. = 4.717 Efficient in distributing machine

* Dist. Loss of Daniell's Electrodes was 5.311 Grammes

4

Ratio of Energy utilized to that expended

First Determination		Second Determination	
H.P.	4.663	W.P.	4.772
Loss	0.66866	Loss	0.67890
	5.720		5.720
	0.75739		0.75739
	9.91127		9.92131
Efficiency (1)	0.815	(2)	0.834

Mean 83 percent

Ratio of Energy developed as current to energy expended:

A portion of the electrical energy developed is uselessly expended in the armature of the machine and is not included in the above computation.

To find the total energy (including this useless portion) we must add the resistance of the armature to that of the external circuit - we then get

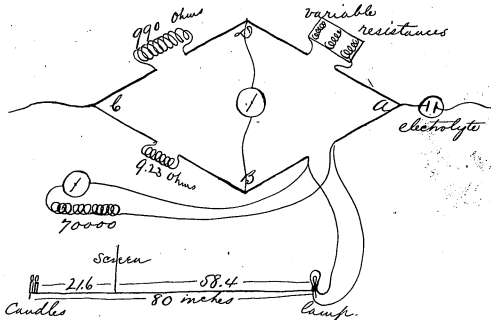
$R = 3.10$ ohms, C_1 & C_2 remaining as before

(1)		(2)	
C_1^2	3.07146	C_2^2	3.08150
R	0.49826	R	0.49136
$4R_2$	7.12738		7.12738
	0.69020		10.70024
H.P.	4.901	W.P.	5.015
	5.720 - 0.75739		0.75739
	9.9281		9.94285

.857 Mean .867 .877

That is to say, of the energy expended in driving the machine 86.7 percent appears from our experiment to be accounted for as electrical work, while 83 percent is available for use.

- Arrangement of the Electrical and Photometric test of lamp (No. 853.)



Data:

- Resistance in branch DC 990 Ohms
- in branch BC 9.23 Ohms.
- in High Res. Gal used for determining
the E. M. F. about 70000 Ohms.
- in branch AD - 10681 - a mean
value. During the experiment
- this measured resistance, M , varied from
10670 to 10700, a change of one ohm was
easily perceptible.
- 20 Daniell's Cells gave a double deflection
of 130 divisions with High Res Gal.
- The terminals of the lamp were given a
double deflection varying during the
experiment from 467 to 466 - Mean 461.
- Gain of negative electrode 449.5 mg. Cu.
- Duration of experiment 30 min.
- Length of scale of photometer 80 inches
- Mean position of index from lamp when
broadside on 58.4 in. when edge on 49.16 in.
- The lamp was compared with two standard Candles

4. Determination of work expended in lamp.

Resistance of lamp = $10681 \times \frac{9.23}{990} \times \frac{701}{700}$ (nearly enough)

10681	4.02861
9.23	0.96520
990 a.c.	7.00436
$\frac{701}{700}$	0.60062

$R = 700 \times 99.722 \text{ Ohms} = 1.99879$

$E = \frac{4.61}{730} \times 21.58$

4.61	2.66370
130 a.c.	7.88606
21.58	1.33405

$E = 76.526 \text{ volts} = \frac{1.88381}{1.88381}$

$C = \frac{W}{.326 t} = \frac{449.5}{.326 \times 1800}$

449.5	2.65273
.326 a.c.	0.48678
1800 a.c.	6.74473

$C = 0.766 \text{ wbs} = 9.88424$ with total Current.

The Current in branch A & C : Current in Lamp
branch A & C $\therefore (9.23 + \frac{701}{700} (99.722)) : 11671$

Current through lamp = $\frac{701}{11780} \times \frac{11671}{700}$
(with sufficient approximation)

Total C	9.88424
11671	4.06711
11780 a.c.	5.92885
$\frac{701}{700}$	9.99938

C in lamp = $0.7578 \text{ wbs} = 9.87958$

Current through lamp computed from the

E.M.F. and R. $C = \frac{E}{R}$

E 1.88381

R a.c. 8.00121

$C = \frac{1.88381}{8.00121} = 0.2354 \text{ wbs} = 8.8502$

In another experiment, repeated on account of a possible error in weighing an electrode, the results obtained from the E.M.F. and R agreed very closely with those reported.

Noise Power = $C^2 R + \text{Noise Power Constant}$
 $C = .7578$ wires $C = .7674$ wires
 $C^2 = 9.75916$ $C^2 = 7.77004$
 $R = 1.99879$ $R = 1.99879$
 $N.P. = 7.12738$ $N.P. = 7.12738$
 $N.P. = 2.07679$ $N.P. = .07874$ $N.P. = 8.89621$
 mean value $N.P. = .0777$ expended in
 a single lamp.
 Number of lamps of similar construction
 which could be run by the machine.
 4.717 Effective $N.P. \div .0777$ $N.P. = 60.7$
 4.717 0.67367
 0.0777 8.89042
 No of lamps 60.7 1.78325

$0 -$ $0.$
 0.0777 8.89042
 No of lamps 12.87 1.10958
 per effective $N.P.$

5. Photometric test.

When the lamp was broadside on the candle power was given by

$$\frac{(58.4)^2 \times 2}{(21.6)^2}$$

58.4	1.7664
21.6	1.3345
squaring	.4319
	.8638
2	.3070
Candles 14.6	1.1648

When the lamp was Edg on the candle power was given by

$$\frac{(49.16)^2 \times 2}{(30.84)^2}$$

49.16	1.69164
30.84	1.48916
squaring	.20248
	.40496
2	.30703
Candles 5.08.	.70599

Recapitulation of Results

Total A. P. expended ~~6.008~~ 5.720

A. P. available for
illumination 4.717

A. P. expended in each lamp 0.0777

Total number of similar lamps
which the machine as then
operated could run 60.7

Candle Power - lamp "Broadston" 14.6
lamp "Edge on" 5.08

Total electrical work developed by
machine 86.7 % of work expended

Utilizable Electrical work 82.7 %

C. Z. Beecher
O. L. Pump

Princeton March 27, 1880

Mar - 30

C. F. Brackett
Princeton N.J.

Your report received
~~was so de~~ very much
pleased. Letter tonight
wanting you, Friday.

~~Francis W. M. P.~~
Genl T. d. Edison.

E B Klossy Mar 30

61 Broadway
ny

any day

the week

JAE

T. A. EDISON.

Menlo Park, N. J., Mar 30 1880.

Prof Geo A Barker
c/o Henry W Hooper
New York City

When will you be
ready to test -

T A Edison
sent

Sent

WILLIAM D. MARKS,
WHITNEY PROFESSOR OF DYNAMICAL ENGINEERING,
University of Pennsylvania.

Philadelphia,

Mar 30

1880

My dear Sir

My understand-
ing with Prof Benson
was that the efforts on
your light were to be
continued whether or we
have no camera, it seems
that I mis understood him
or that Prof Benson
I think that Benson
& Col Arrington City N.Y.
Gasco will visit you in a
day or two, - I told Benson
what I had learned during
my previous visit to your
place & told him also

that I believed you would
certainly succeed in produc-
ing 10 lights of 16 candles
(i.e. 80 cph per inch of gas) per HP.

You will find Col Arring-
ton a thorough gentleman
tho' not as good a fellow as
Benson. Both of them have
thorough confidence in your
honesty of purpose and only
wish to know the exact truth.

I have said to Prof Benson
that I shall be pleased to
go on with the work whenever
he feels sure that he can
do so without fail.

I believe I stated in your
presence that I do not care
to undertake work without
some return to my self and

that I do not care to trifle
my time away. - My return
in the present instance was
to have been (not professional
or scientific glory) but merely
the right to use all the knowl-
edge gained for self and friends.

As you know, I do not
wish to (I should understand) there-
fore state my position frankly.

I know that you desire the
widest publicity and ought
to desire even more the ac-
curate information of men
engaged in the lighting busi-
ness. I am,

Very Truly Yours

Wm. I. Marks

W. A. Edison Esq
Menlo Park

Phil^a Mch 30, 1880

Wm I Marks
No reply

Toronto Mar 30. 80
Allouingman
6 April 22

3000 sample Lamps
Wick of white
wax 1/2 1/2 wick
1/2 1/2 wick
at 1/2 1/2 wick
2000 Candles

Toronto Wed 30th 80

Mr Thos A Edison
Menlo Park N. J.
Per Sir

Knowing your willingness to extend any courtesy in your power to those interested in the cause of Science I had the liberty to beg of you the following information
Can an electric current carried 3000 feet by a 1/4 inch copper wire have sufficient force at that distance from the generator to produce anything like the same degree of heat in an apparatus which it would at a distance of 300 or 600 feet?
Which would be the better for heating alone a direct current or an alternating current machine? Would a generator

of 3,000 candle power (nominal) reduced
at about 1500 per animal, produces
sufficient electric force - at the distances
mentioned - to produce an online heat
at all? If you will favor me
with a reply, shall esteem it an
honor for which I shall be truly
grateful. Trusting at the same time
you will not consider me as both-
ering you with needless questions.
Being unable to procure American
stamps here, enclose the price of one.
I have the honor to remain
Very Respectfully Yours
A W Dingsman

A W Dingsman
Toronto
Ontario
Dom. of Canada.

OFFICE OF
The Singer Manufacturing Company.

NEW YORK, N.Y. March 21st 1880

Mr. T. Edison
Menlo Park N.J.

Dear Sir

Your favor of 29th inst. received relative to Sewing Machine loaned by us sometime since; as we understand that you wish to retain the Mach^l, would say that you might send an Electric Pen in exchange for same, as we could make good use of it.

Yours truly
The Singer Mfg Co
Per J. H. Hardenburgh

T. A. EDISON.

Menlo Park, N. J.,

March 31, 1880.

File
Stephen D Field Esq
NY
Dear Sir

Can you inform
me what kind of a dynamo
the North Bloomfield
Mining Co use? I
have been asked a number
of times in regards to
it - an early one will
oblige

Very truly
Yrs
T. A. Edison
E

My dear Edison:

They are using a six
light brush machine - Its not
quite large enough for their work
and they contemplate a larger
one -

Truly
Yrs
N. S. Hall

(Mar 31)
Mr. Henderson Philadelphia Pa
George Hotel W. Tabor of
Williams Page and Co
was here today and is
making lamps for Columbus
with attachment for "The
Light" ~~to be put out of work when not using~~
~~to be used as a protest~~
We had a talk with him
and suggested for his lamps
his ~~father~~ making it so that
we could conceal the wire
from view - Did you intend ~~to~~
to furnish any of ^{our lamps to sockets} ~~these lamps~~
~~to sockets~~ to suit these lamps?
If so please write us

immediately as ^{we} ~~we~~ shall
make them ~~particular~~ for
a little different a shape to
~~suit the occasion~~ ~~the~~
~~make them more ornamental~~
sent their fixture - I had
an idea that you wanted
them all in wooden bases
but can make ^{a number of this} ~~them~~ - just
as easy. Shall we? and how many?

Edison
per Batchelor

OK Feb 31-

Mar. 1880

1
Patt Clarke
Gas Works
Rahway
N.J.

Can you come down to night-
and make tests we have
apparatus already.

J A Edison

A. L. Taber Feb 3 1880
Rahway N.J.

James C. Hadassam Esq
George Hotel Phila

Dear Sir

~~Private~~

Pls let me know
how you have arranged
with Countro staff &
even the dynamos shall
we have to make
machines right & left as
all alike? We are finishing
two now

Respectfully yours

W. H. H. H.
A. K. Apr 1

Mr. Albert
P.O. No. 7
Gai Kunkle Coy
272 Mulberry St
Newark N.J.

Do you know of a good
Jeweller here in Camden who is
doing some fine work on Patina
which is done with like instrument
worth if, do please let me

Abner

Know & oblige
Henry Frank
J. Kuncie

Put in a stamp for
the answer
R

Mr. Carman
P.O. No. 7, Seymour
To help to send our
Dynamo parts as soon
as possible

T.C.E.
K.

OK
Apr 6
T.C.E.

HENSH, BRUCKMANN & LOHRBACH
Appraising & Commission Merchants
CUSTOM HOUSE BROKERS
No. 10 William Street

Handwritten: *M*
Hensh, Bruckmann & Lohrbach

Handwritten: *A. G. M.*

Handwritten: *New York, N.Y., Dec. 6th 1880.*

Handwritten: *Can't have the lamp
Nov. 10. J. J. G. all*

J. A. Edison Esq.
(Mentla Park) N.Y.

Dear Sir,

We received your favor of the 12th inst. wherein you inform us that there must be a mistake about the promise of the gift of one of your electric lamps to our Mr. Gansel while calling at your Laboratory on the 27th of February 1880, & it strikes us also that there must have been, but as an old correspondent & friend of ours Messrs. Elkhardt & Co. in Gamburg have urgently required of us to send them out of the above mentioned lamps, & as we would be very glad to be able to comply with their request we take the liberty to again apply to you hoping that you will have the kindness to send us one of the lamps, we of course paying all

expenses. —
If this should not be convenient
we will gladly send one of our
young men to call for it at
Muncho Park.

Hoping to receive a favorable
reply from you we remain

Dear Sir

Yours very respectfully
Samuel Bruchmann & Co. *Proprietors*

~~What you want~~

Mr Tabor

Care of Williams, Page, & Co.
24 Beach Street
Boston.

Dear Sir

You said you would
send us 'ring' for lamp
sockets. We should like
to have it as soon as possible

L & C
per O.B.

OK O.B.

Jos Medill. Esq

I send you tests made
by Prof B. G. R. rather than
no being made but some
men - your correspondent
named Hall of my tribune
~~is of that class of ability~~
~~that he could not get a~~
~~statement~~. Came here
Island about 20 minutes
and then writes his long
~~long~~ article, from
inferences based on
misunderstandings
ignorance - It is true

²
that January 1st we put
up about 80 lamps the
first made, to ascertain
the life of the lamps
they have all gone out
their average life was
792 hours the shortest
26 hours the longest
1388 hours, a very satisfactory
result for a 1st experiment }
I have never concealed this
fact when a lamp burned
& let it remain where
people could see it, my
Laboratory is open & free to
Sneaks ignoramus detectives & gullible

~~and~~ I could have easily have
made new lamps and replaced
those destroyed and the ~~others~~

~~present when Mr. Thurst~~
Experiment
~~is being made, I am lied about by~~
~~every sensible who comes along~~
had I wished to deceive the
public -

The first haul was that submission
was impossible - I subdivided
it, now nothing is said
about this impossibility.
The next haul is that although
I can subdivide it it is
not economical - now
Barker & Rowland has
shown that I can obtain

light ^{equal to} ~~13 gas jets~~ the 4 best gas jets
obtain¹³ (16) of ordinary gas jets)
per horse power in electricity
+ with all losses about 10
net - Barker using 20 cubic
feet of gas in a gas engine
obtained ~~8 gas jets~~ ¹ ~~with~~
4 ^{or more} light ^{submersible} burning
the gas direct he only
got 4 lights one hour
after all these scientific
tests are over they will
probably acknowledge
the cheapness of our
gas, but they will say

Letter JKE
to Mrs. Mabel Peterson
Chicago

Prila 9
Mr Batchelor

Apr 9 - 80
(see other
sails)

Is there a Siemens or any
clockwork lamps to be
had in the market answer
Collect will write tonight

J. Henderson

20 paid

Batch
ans. ans to report
Jim off for me
G

J C Henderson

St George Hotel

Madison

I don't think there is

I know of none

Patricia

I Collect

Gold & Stock Telegraph Company,
Western Union Building,

P.O. New York 4185

James W. Smith, President
George H. Hill, Vice President
Geo. W. Russell, Secretary
Thomas H. Smith, Treasurer

New York, April 9 1880

J A Edison Esq
Drfn

If convenient
would like to bring a friend
of mine Capt Frank Barr
to see you tomorrow Pm
leaving here at 3 Pm

He wishes to consult you
as to the availability of your
light - or rather its durability
if used to light a floating
buoy - He does not need
more than from 5 to 10 Candle
power - & can get 3 Horse
power to drive the Magnets

If not convenient to see
him tomorrow please say
when I oblige

Yours truly
J A Edison

346 East 17th Street
April 10th 1880

J. A. Edison Esq

Dear Sir

Will you be
at home on Wednesday next, and if
so will it be convenient to admit
an artist from Harper Bros - One
who will not interrupt or trouble
you for more than a minute or two.

Yours Obedtly

F. Ballou

Come anytime, we
have no fights this week
are getting ready for
big test

New Haven Conn. April 12 80
Thomas A Edison ^{works in his factory}
Menlo Park. N.J.

Dear Sir

I take the liberty to write to you for the purpose of calling your attention to an improved Dynamometer invented by a friend of mine in this city. I believe he has embodied the correct principle for the most perfect and convenient device for the purpose - It indicates the power being absorbed or used, upon a dial like a steam gauge - the pointer constantly varying as more or less power is used - it being very sensitive and accurate - I judge it would be very desirable in connection with your Electric light generators. If you have not a satisfactory Dynamometer of your own it might be worth investigating to you -

Yours very truly
A. W. Johnson

Box 437

New Haven -
Conn. -

New York, April 2nd, 1880

J. H. Edison
 Menlo Park, N. J.

Dear Sir,-

In answer to your favor of 7th inst. I beg to inform you that I left Menlo Park under the impression that you would send here one of your men to examine the different parts of the Dress, Accumulator, Crank, etc, so you would have no difficulty in distinguishing them and putting same together again when received, with the view of saving the expense of a mechanic from here.

If you wish the Accumulator sent to you, accompanied by an expert, I will oblige, sending you a man at your expense. - Please advise

Yours Respectfully,
 Francis S. Kinney
 Charleston, S. C.

FRANCIS S. KINNEY, Pres't



KINNEY TOBACCO COMPANY,
SUCCESSORS TO
KINNEY BROTHERS,
515 to 525 West 22^d St.

HENRY A. CUPPIA, Sec'y & Treas'r

New York, April 14th 1880.

Prof. J. A. Edison

Menlo Park, N. J.

Dear Sir, ^{NYC} We beg to advise that we have this day shipped you by Penna R.R. the Accumulator, Pump, pipes & connections.

Upon their arrival be good enough to telegraph us and we will send the mechanic at once to put up the Accumulator-

Yours Respectfully
Francis S. Kinney
per H. A. Cuppia

T. A. EDISON.

Menlo Park, N. J., April 15th 1880.

To C. J. Hensserson
St George Hotel Philadelphia
Pa.

Will have two Machines and
twenty lamps ready for shipment
Monday as before. Send
direction by telegraph.

T. A. Edison
per me

CR
R.

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THE WESTERN UNION TELEGRAPH COMPANY.

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A. E. BREWER, Secy. NORVIN GREEN, President.

Dated Chester Pa April 16 1890

Received at 10:00 am. Hoop
St. J. Edison Mount Pleasant Pa.

Me leave tomorrow morning
 morning can the apparatus
 be on ~~the way~~ by
 that time.

J. B. Henderson
 15 paid

This msg was rec'd
 about 5 mins. after
 yours was sent
 of

READ THE NOTICE AT THE TOP.

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A. E. BREWER, Secy. NORVIN GREEN, President.

Dated New York April 16 1890

Received at St. J. Edison
Mount Pleasant

Have the apparatus for the
 Columbia gone to Chester.
 the ship leaves Chester
 tomorrow answer

W. H. Starbuck
 15 paid
 Hoop
 New York -

We cannot ship to reach
 Chester in time but can
 have everything at New York
 Monday & they can be placed
 in several hours, Edison

READ THE NOTICE AT THE TOP.

1/2
 1/2

3

April 16, 1880
10 PM

Ny 16

T. A. Edison

Send them to Morgan Iron
works foot ninth St East
River so that they will be
there on Monday without fail
~~Answer~~

W. H. Starbuck

2nd paid

to answer

At Chester Pa 16 Apr 16⁸⁰
207
T A Edison

"S.S. Columbia"

Yes Care of Morgan
Iron Works Ninth St
East River NY

J. C. Henderson

Ward
Hobg

T. A. EDISON,

Menlo Park, N. J., *April 16, 1880.*

J. B. Henderson
Engineer Steamer Columbia
Whister Pa.

The Express Co would not
take machine where will
you have them in New York

T. A. Edison

(Apr. 17, 1930)

Expense of trip to Newark
to consult Mr. Porter in
regard to his engines and
certain problems in steam
engineering.

Fare to Newark & 2 days	\$1.50
Dinner 2 days	\$2.70
Car fare	\$0.48
	<hr/>
	\$ 4.18

C. L. Clark

April 17

Francis Amory

NY

Underhill

Edison received

T A Edison

CR
R

sent

(refers to present)

Apr 24 80

E Faber

23 March 80

My
Exhibition opening on as
unarranged but will
have been partially
lighted Tuesday

W.C.

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A. H. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York April 11 1880

Received at _____

to Thos N Edison
Westport

READ THE NOTICE AT THE TOP.

Invitations for yourself and friends were forwarded this morning. They were carefully laid out side by side by our boy.

W H Starbuck

18 paid
H. B.

Blank No. 1.

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A. H. BREWER, Secy.

MORVIN GREEN, President.

7-1
Dated

My.

Apr 1880

Received at

Wash D. C.

To

J. A. C. C. C.

READ THE NOTICE AT THE TOP.

Case right have
sent the invitation
as requested

M. H. T. T. T.

Raid

File

Weather Bureau
N.Y. Herald
April 26 1880

Thos A Edison Esq.
D. C.

I & I would not be too much
trouble. Mr. Comary would feel obliged
by you if you had a small lamp
made for him. The batteries used in the
School are not sufficient to light the one
you gave me. Please send in the report
of Prof. Brackett & young so that it may
be published on Thursday day.

Respectfully

Edward A. Collins

N.B. If possible send ticket for the
S.S. Columbia exhibition. I don't know
when to apply for one.

Ticket sent
by messenger on
11/21/80
E.A.C.
S.H.

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A. H. BREWER, Secy.

NORVIN GREEN, President

Dated New York April 27 1880

Received at _____

To J. A. Edison

Every body satisfied with
lamps all going nicely

7 paid

W. J.

Griffin

READ THE NOTICE AT THE TOP.

my

Whom you know

Geo Clark

W. G. Adams

perfectly

perfectly

West Troy N.Y. April 20th 1880

Mr. Jas. A. Edison

Dear Sir

I recd

you sometime since that I had invented a vacuum pump that would produce a perfect vacuum

I have since perfected and built a small pump (one inch and a half stroke)

With this pump I am exhausting all the atmosphere from a full glass air chamber which contains about nine cubic inches of air, in three minutes. Reversing the pump by hand. My pump is of a very peculiar construction

Having only two valves and
those on the outside of the
cylinder, I use Mercury in
the cylinder. If you feel
interested in seeing the pump
produce a perfect vacuum
in some measure in a bell
glass of the dimensions I
mention, we will be glad
to make an appointment
with you.

Yours Respect
Geo. Leach
Care of Joe Alderton

[FROM THE AMERICAN JOURNAL OF SCIENCE, VOL. XIX, APRIL, 1880.]

ON THE EFFICIENCY OF EDISON'S ELECTRIC LIGHT.

By Professor H. A. ROWLAND of the Johns Hopkins University,

and Professor GEORGE F. BARKER of the University of Pennsylvania.

The great interest which is now being felt throughout the civilized world in the success of the various attempts to light houses by electricity, together with the contradictory statements made with respect to Mr. Edison's method, have induced us to attempt a brief examination of the efficiency of his light. We deemed this the more important because most of the information on the subject has not been given to the public in a trustworthy form. We have endeavored to make a brief but conclusive test of the efficiency of the light, that is, the amount of light which could be obtained from one horse power of work given out by the steam engine. For if the light be economical, the minor points, such as making the carbon strips last, can undoubtedly be put into practical shape.

Three methods of testing the efficiency presented themselves to us. The first was by means of measuring the horse power required to drive the machine, together with the number of lights which it would give. But the dynamometer was not in very good working order, and it was difficult to determine the number of lights and their photometric power, as they were scattered throughout a long distance, and so this method was abandoned. Another method was by measuring the resistance of, and amount of current passing through a single lamp. But the instruments available for this purpose were very rough, and so, this method was abandoned for the third one. This

method consisted in putting the lamp under water and observing the total amount of heat generated in the water per minute. For this purpose, a calorimeter, holding about 1½ kil. of water, was made out of very thin copper: the lamp was held firmly in the center, so that a stirrer could work around it. The temperature was noted on a delicate Baudin thermometer graduated to 0°1 C.

As the experiment was only meant to give a rough idea of the efficiency within two or three per cent, no correction was made for radiation, but the error was avoided as much as possible by having the mean temperature of the calorimeter as near that of the air as possible, and the rise of temperature small. The error would then be much less than one per cent. A small portion of the light escaped through the apertures in the cover, but the amount of energy must have been very minute.

In order to obtain the amount of light and eliminate all changes of the engine and machine, two lamps of nearly equal power were generally used, one being in the calorimeter while the other was being measured. They were then reversed and the mean of the results taken. The apparatus for measuring the light was one of the ordinary Bunsen instruments used for determining gas-lights, with a single candle at ten inches distance. The candles used were the ordinary standards burning 120 grains per hour. They were weighed before and after each experiment, but as the amount burned did not vary more than one p. c. from 120 grains per hour, no correction was made.

As the strips of carbonized paper were flat, very much more light was given out in a direction perpendicular to the surface than in the plane of the edge. Two observations were taken of the photometric power, one in a direction perpendicular to the paper, and the other in the direction of the edge, and we are required to obtain the average light from these. If L is the photometric power perpendicular to the paper, and λ that of the edge, then the average λ will evidently be very nearly

$$\lambda = L \int_0^{\frac{\pi}{2}} \cos \alpha \sin \alpha \, d\alpha + \int_0^{\frac{\pi}{2}} \sin^2 \alpha \, d\alpha$$

$$\lambda = \frac{2}{3} L + \frac{\pi}{4}$$

In the paper lamps we found $\lambda = \frac{2}{3} L$ nearly; hence $\lambda = \frac{2}{3} L$ nearly. The lamps used were as follows:

No.	Kind of carbon.	Size of carbon.	Approximate resistance when cold.
580	paper	large	147 ohms.
201	"	large	147 "
580	"	small	170 "
809	"	small	154 "
817	fiber	large	87 "

The capacity of the calorimeter was obtained by adding to the capacity of the water, the copper of the calorimeter and the glass of the lamp and thermometer. The calorimeter and cover weighed 0.108 kil. and the lamps about 0.036 kil.


First experiment, No. 201 in calorimeter and No. 580 in photometer; capacity of calorimeter = 1.158 + 0.09 + 0.07 = 1.169 kil. The temperature rose from 18°28 C. to 28°11 C. in five minutes, or 1°47 F. in one minute. Taking the mechanical equivalent as 775, which is about right for the degrees of this thermometer, this corresponds to an expenditure of 8486 foot pounds per minute. The photometric power of No. 580 was 17.6 candles maximum, or 18.1 mean, λ .

When the lamps were reversed, the result was 8540 foot pounds for No. 580, and a power of 18.6 or 10.1 candles mean. The mean of these two gives, therefore, a power of 8518 foot pounds per minute for 17.6 candles, or 109.0 candles to the horse power.

To test the change of efficiency when the temperature varied, we tried another experiment with the same pair of lamps, and also used some others where the radiating area was smaller, and, consequently, the temperature had to be higher to give out an equal light.

We combine the results in the following table, having calculated the number of candles per indicated horse power by taking 70 per cent of the calculated value, thus allowing about 30 per cent for the friction of the engine, and the loss of energy in the magneto-electric machine, heating of wires, etc. As Mr. Edison's machine is undoubtedly one of the most efficient now made, it is believed that this estimate will be found practically correct. The experiments on No. 817 was made by observing the photometric power before and after the calorimeter experiment, as two equal lamps could not be found. As the fiber was round, it gave a nearly equal light in all directions as was found by experiment.

Lamps used in Calorimeter	Photometer	measured average candle in paper.	Average λ	Capacity of calorimeter in lbs.	Time of lamp burning in minutes.	Temperature rise in degrees F.	Temperature rise in degrees C.	Foot pounds per minute.	Number of candles per horse power.	Mean number of candles per horse power.
201	580	17.5	13.1	2.91	1'17.5	3496			109.0	6.8
580	201	18.5	10.1	2.92	1'02	3649				4.8
580	201	38.6	28.3	2.74	2'04	6181			204.3	12.8
201	580	44.0	33.5	2.70	3'29	4898				8.0
850	809	10.0	14.3	2.81	1'14	2483			133.4	8.3
809	850	12.2	9.2	2.78	1'04	2330				5.8
817			17.2	2.78	1'28	2708			209.6	13.1



The increased efficiency, with rise of temperature, is clearly shown by the table, and there is no reason, provided the carbons can be made to stand, why the number of candles per horse power might not be greatly increased, seeing that the amount which can be obtained from the arc is from 1000 to 1500 candles per horse power. Provided the lamp can be made either cheap enough or durable enough, there is no reasonable doubt of the practical success of the light, but this point will evidently require much further experiment before the light can be pronounced practicable.

In conclusion, we must thank Mr. Edison for placing his entire establishment at our disposal in order that we might form a just and unbiased estimate of the economy of his light.

Full
note

OFFICE OF

ALFRED J. BUTLER.

MANUFACTURER OF
Sash, Blinds, Doors, Mouldings, Brackets, Stair-
Rails, Newels, Balusters, &c.
JOHN-STREET, FOOT OF MORRIS.

GEORGE BUTLER, MANAGER.

New-Brunswick, N. J. *1859*

Mr T. A. Edison.

Dear Sir

Your card is at hand, and
in reply would say that we will
furnish you the 200 lamp post at
the same figure as the last lot,
which was very low indeed.

Hoping to receive your order
I remain

Yours Very Truly
A. J. Butler

11123

P.S.

We have quite some of the tubing
ready for you which you may call
for at your convenience.

Yours
[Signature]

(Apr. 1880)

Mr. Curran

Pls. pay J. Bradley

at 3 cents

J. H. Curran

Write Bergmann

We shipped the Dynamo
with 19 lbs. of No. 10

Cotton covered wire at 40¢
last night.

To Margaret Iron Works
foot of east 9th Street
New York

we have shipped by P. R. R.
freight 2 Dynamo machines
for Home Columbia.
Ask them please to bring them
carefully on horse of 100
~~the~~ weight of the two 3300 lbs

(Apr. 1880)

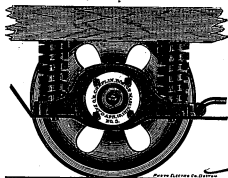
Mr. Carman

Write Seymour & Whitcomb
in the most urgent way
that we should have our
Parts for the Dynamo made
right away we are badly
not having them

R. E.
K.

Telegraph him
to send all they had
finished immediately

R. E.
K.



Memorandum.

To Mr. James M. Seymour
Engineer
Newark N.J.

THE CHAPLIN ANTI-FRICTION CAR BOX CO.,
No. 18 DEY STREET, N. Y.

CONSULTING ENGINEER'S
OFFICE.

May 7th 1880.

Dear Sir:

You are authorized to arrange
with Mr. Thomas A. Edison for the exclusive
use of our anti-friction bearings on his
Dynamo Machines, as you may deem
best for the interest of this Company.

Respectfully Yours

The Chaplin Anti-Friction Car Box Co.

Wm. Henry Bayley

Secretary



A. 101

School of Mines, Columbia College,

CORNER 49TH STREET & 4TH AVENUE,

All right - you may keep the lamps
New York, May 7th 1890.

J. A. Edison, Ph.D.

Dear Sir:

Please inform me when
it is most convenient for me to return
the lamps you so kindly provided us with.

At the Lecture they behaved very well
indeed - I followed all your suggestions as
to managing them with a Wallace Machine
and with great success. Yesterday somebody
tried to experiment with them, turning on
too much current and ruining four of
them, and I have the mortification of
returning borrowed property broken.

Thinking you would be glad to know that
they were a success publicly -

I remain, Very Respectfully

C. E. Colby

West Point N.Y. May 10-80
J. S. E. Hellman
a May 11

U. S. Military Academy
West Point N.Y.
We can make them
~~how high a vacuum is~~
resist. Bell & Willoughby and
May 10, 1880

Prof. J. A. Edison


Menlo Park N. J.

Dear Sir

Prof. Kendrick

directs me to inquire of you whether
you make or have made at your
laboratory the small vacuum tubes,
such as are used in the lecture-
room for illustration before classes.

To avoid mistake as to my mean-
ing I roughly represent what I mean

 - The tubes are generally
from 3 to 6 inches long and $\frac{1}{2}$ to 1 inch
in diameter - PP are platinum wires
fused into the tubes - the platinum
joints should be from $\frac{1}{8}$ to $\frac{5}{8}$ inches
apart - The tubes as nearly
perfectly vacuum as possible -

Very truly

Yours, &c

S. C. Tillman

Capt. U. S. Army
Instructor at Mil. Academy

West Point N.Y. N.Y. May 10, 50
Lieut. S. Gillman
a May 17, 50

West Point N.Y.

May 12 1850

Prof. J. A. Edman

Wentworth Mass.


Dear Sir

Your favor

of the 11th just received. Prof. Kendrick directs me to say that he will be very glad to have you make for him four ⁽²⁾specimens traded, if they are not very expensive. If they

are troublesome to make or
expensive ^(?) there will be sufficient.

The length of the tubes may
be anywhere between three and
six inches - I illustrate a
little more plainly than in my
last what is desired -

 The platinum wires ^{or}
should not exceed by from $\frac{1}{4}$ to $\frac{3}{8}$
inches. I assume that one
millimetre will be a sufficiently
high vacuum - though I do
not know how highly such
tubes are exhausted. Prof. ~~W.~~

which requests that the bill
be forwarded with the tubes
made ^{out} against the "Chemical Depart-
ment - U. S. Military Academy - Wash-
ington, D. C." It will greatly
oblige us to have the tubes
as soon as possible -

Very Respectfully yours &

S. C. Tillman

U. S. Army.

Give order to Boehm to make
& Hamann to bring to
high vacuum

Say to Tillman that
we don't mean back for
sale but will give them to him

Send him glasses on it
University of Penna
Phila. May 21. 1880.
My dear Edison:-

In answer to your letter
of yesterday I would say
that you can have the use
of my Lawyer lamp, of course,
but the one I have has no
glass as it was broken in com-
ing. If you are not in a great
hurry I will get Mr. Wallace
to put another glass on next week.
The lamp I have is the form
Lawyer made a year ago. I
judge from the recent cuts in
the Scientific American that
he has somewhat altered that
form lately. How is your lamp
getting on? And what new
developments are there?

Yours truly
George S. Parker
We are getting for ^{ready made} 1200

PHYSICAL LABORATORY,
State Agricultural College.

J. H. MACCOMBER,
Professor of Physics.

No we don't sell them
as yet - As soon as our new
Lamp factory is furnished
Iowa, May 26" 1880.
Can supply what Lamps you
desire, furnished in 3 months

Mr. J. E. Edison

Menlo Park N.J.

Dear Sir

Are the Dynamis
Electric Machines of your invention in the
market, and if so, where can they
be obtained?

Would you be willing
to sell me for the purposes of
class illustration one or two of your
"Horse-shoe" Electric lamps - "vacuo lamps"?
Such an instrument from your
Laboratory would be highly prized,
as a great novelty out here.

Very Respectfully

Yours

J. H. Macomber

84
My magnet, 80
J. J. Green
May 28

Very kind
to receive your letter
and I will endeavor
to answer it as soon as
possible.

Twenty 27 May 80
Mr Edison

Mr Edison tell me you
have had some difficulty
in making the ends of your
carbon loops to fit the
platinum clamp when using
marilla fibre. It has
occurred to me that every
good sail fitter can plant
three fibres into almost any
desired shape and I venture
to offer you the suggestion
notwithstanding the fact that
most of my suggestions to
you have already been
gone over. It is difficult to
keep ahead of your ingenuity
but I give it for what it may
be worth.

Sincerely yours J. J. Green

1 New York May 30/90
509 PM

T. A. Edison
Mculo Park N.Y.

Columbia arrived Rio yesterday
reports Edison lights working
well

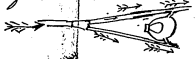
Geo. A. Sayer

9 paid
safe

Francis Kinney ^{MS. 100}
New Brighton St.
May 30th 1880

Mr. Edison

Dear Sir

Since seeing your
laboratory I have thought much
about vacuum? A great many
ideas of producing high vacuum
have occurred to me among
them the idea of ^{very} strong current
of air. Suggested this

to one of
your assistants
but did not impress on them
how important I thought
two currents would be,
as I have acting and

one of your lamps? or how
much would depend on
the adjustment of the tubes
that give the most effective
direction to the air currents.

Another idea I represent
by a hasty sketch which
I enclose - and by which
I try to show a method
of keeping Mercury under
pressure while it rises to
force out the air on a
Cylinder.

Fig. I shows Mercury flowing
in to a Cylinder and forcing
up Piston B. which carries

[2]

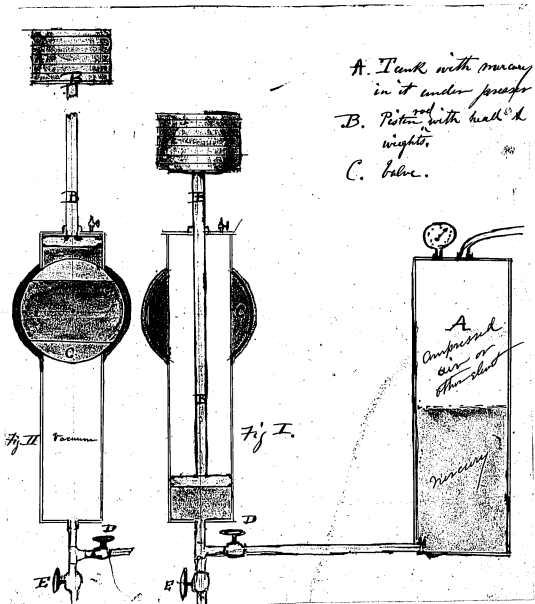
Experiment next. Fig. 2. Shows when
the piston B has descended up through
tube C. And tube C has been
turned down past B and some
mercury has left tube D about one
Foot above Mercury in tube B.
As shown in lower part of sketch.
When mercury has any other

are all or impracticable. Still they
may directly or indirectly suggest
some thing to your brain or
afford you some amusement

With best wishes I am

Very truly

Francis S. Johnson



You are quite mistaken about
the Carbon horse shoe being a failure
that is my business for the
National Manufacturing Co. Ill

June 7/80

Mr - Editor

I have Dear Sir

I watched with a great deal of
interest your experiments in your
electric light, hoping sincerely that you
would succeed, I felt much disappoint-
ment on hearing that your carbons
were a failure, In fact a long story
short, I believe that I have got the
thing that will perfectly answer the
purpose, I think it will stand the
test in the open air without a globe,
I may be mistaken, of course you are
better prepared to give it a perfect
trial than I am, The price of the
thing will be nominal,

I propose to let you test it to your entire
satisfaction, but before doing so, your
Company must perfectly secure
me in my rights in writing, an article
of agreement agreeing to pay me if
my discovery is a success, a value in
proportion to the worth of my discovery to
your light, said article to be acknowl-
edged before a notary Public

On receipt of such an article, I will
send you my discovery to test it.
My reasons for the foregoing propositions
are I do not care to go to the expense
of getting a patent, and the thing be a
failure, if it is a success I do not
propose to be cheated out of it.

If ^{it} is a success, I will have it patented
in my ^{name} for the benefit of your company,
provided my rights are provided for.
On receipt you can use your pleasure
I make you the first proposition because
I think you deserve to succeed.

Respectfully

Yours
J. Sutton M.D.

Makomet
Champaign Co Ill

18
Makomet Sutton
to Wm. Walker
Cary

[FROM JOHN KRUESI]

Ch. Porter

As Dr. E. concluded that he
should make & get the
floor for our committee
we advise against from N.T.W.
as we require thinking
it may of course to give

Chas Porter
Southern Ave. Broadway
Philadelphia

Chas Porter
6

San Francisco June 14/90
Any power, water or steam
could be translated into electrical
power for miles & reproduced
with a great loss than
the present. ^{45 percent} we are doing
& here it would cost [?] day
3/4 of a mile 20 [?]

It would that in the present case of
scientific progress, the completion of an
dynamo electric motor has been ac-
complished. A stationary electric
motor of from 5 to 20 horse power, would
meet with considerable resistance and
be of great service in regions, where fuel
& water is scarce.

You show all other will from your
experiments & experience be able to answer
these questions. Is it possible to construct
electric motive power for less than the
steam engine? and how soon could
we expect to have these machines in-
troduced? Parson, one of I inquire
upon your time, but by answering you
would greatly oblige yours Respectfully
112 Mason street N.Y. Cox Spiller M.F.

T. A. EDISON,

Menlo Park, N. J.,

June 16th 1880.

Prof C. A. Young
Princeton

N. J.

When will you be able
to make an examination
of the mysterious blue halo
in the lamp by the
spectroscope

T. A. Edison
dxE

Sent

June 15-80

330

Princeton N. J. 15-

T. A. Edison

I can come down and examine
it anytime you like
C. A. Young

115X
1409

Can you not send
a large lump of
glass ^{of capacity} ^{to} ^{make a} ^{piece} ^{of} ^{it}
for Mr. Thomas Goldsion
out make a piece of it
to New York, N.Y.

Dear Sir

I send enclosed
two specimens of glass ^{with} iron wire
embedded in their substance.
These specimens contain impurities
from the forge smoke but are other-
wise clear. This glass contracts &
expands in about equal propor-
tion to iron weld to it.

I venture to call your attention
to these specimens as the glass
seems especially suitable for
your electric lamps as it is ex-
tremely elastic & it would
allow the use of a much larger
iron wire in place of Platinum

This glass fuses at about 1100°^{Fahr}
& blows even more readily than
ordinary glass. These specimens
were cooled very quickly.

I should be pleased to
hear from you if you would
like to test a larger specimen.

I am Yours Truly,
Ernest Greenwood

Received of
Ernest Greenwood
\$100.00
May 22, 1904
Merrill & Furness
of New York

~~Our~~ our Carbons do not
burn they last one
New York June 18th 1890
year we do not use
the arc system of
lighting
Thos. A. Edison, Engⁱⁿ
Menlo Park

Dear Sir,
The undersigned, chemist
by profession, having an idea respect-
ing the electric light, which they think
will give the result that since long
time you are looking for, to say
it makes the light steady and even
without consuming the coal, are
ready, if agreeable, to communicate it
to you under certain conditions,
which they will express you verbally.

Expecting to have the honour
of your answer

We remain

Sincerely
Yours very truly
Louis d'Almeida
Niquet July 1890

over

my
Address My friend's
address

Louis d'Almeida
47 South Washington Square
New York
(City)

Pennsylvania Rail Road Co.

New York Division

Office of Superintendents

James M. Egan
Supt

Jersey City, N. J. June 9th 1880

Subject: Lighting depot at Menlo Park with electric lights
Thomas A. Edison Esq.
Menlo Park, N. J.

Dear Sir:

Noting your favor of 18th inst I shall be very glad to have you put any number of electric lights you may desire in and about our Station building at Menlo Park. You have the permission requested to cross our tracks for this purpose, and any assistance that we can render to facilitate the work, I shall be most happy to give.

Yours truly,
James M. Egan
Supt

P.S. Will you pls confer with Mr. Ettinger in reference to any detail arrangements that may be necessary.

Philadelphia June 19 1880

P. H. Edison Esq. Menlo Park.

Dear Sir

In answer of your favor of the 14th January
I send the preparation mentioned in my
first letter of the 19th January, per Adams Expr.
to your address February 5th; but as I never
heard anything about it since I beg leave to bring
that matter to your remembrance, and I pray
let me know, whether that package, containing the
preparation in glass - to make it impregnable by temporary heat
and cold or influence of the weather, came to your hands at all?
and whether you experimented with it and with which results.
I have let me hear pretty soon about it and oblige very much

Yours very much
Yours respectfully
H. C. Fauscher

123 Broad St. Phila.
Pa

McBeean, Richmond Co., Geo.

June 24. '88

Mr. Edison

I know nothing at all of science
but I read of yr experiments with
gr. & in l. etc. I observe that
you are testing different substances
for burners for yr lamps. & he
enclosed grows wild here & is
known as bear grass. It is a
fibrous plant with leaves from
12 to 20 inches long & will support
a greater weight than any vegetable
substance I have ever seen.

Crossed & hackled or prepared
like hemp so it would make the
strongest rope ever known,
or would make equal but cheaper
you might try the portion of
leaf I sent & try it.

Thank him for his reply
the fibre is splendid & I had been
but too small for our use



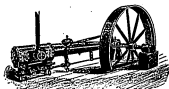
C. H. BROWN & CO.,

Sole Manufacturers of the

→ "BROWN" ←

Automatic Cut-Off

STEAM ENGINES.



WORKS, MAIN STREET.

Fitchburg, Mass. July 6th 1880.

Professor T. W. Edison
Hoboken, N. J.

Dear Sir

We noticed in the papers some
time since that you were going to place a Porter
Allen Engine of smaller size than the one you now have in
your works. We thought if the new one is to displace
the one purchased of us, possibly it might be for sale.
And as we have an inquiry for a second-hand engine of
that size from parties in the West, we have taken the
liberty of writing you with reference to the engine and
if for sale the lowest price at which it could be bought
and how soon it could be delivered.

Very truly yours
C. H. Brown & Co.

ansd July 8
see letter Book
p. 11

Give the envelope to
Boehm tell him to
draw it out & blow something
at Fort Norwich Conn July 13-80
Mr. F. A. Edison
Ment. Park N.Y.

Dear Sir

I send today a
cylinder containing some of
the glass you wished to test.

It shrunk in making far
beyond my expectations but
there are four ounces & one half
which I should think would
be enough for one lamp.

If there is ~~not~~ enough
for an experiment please let
me know & I will try to do
better. I make an insulated
wire coil for a very slight
advance on the piece of the
marked wire. If you wish
I will send ~~it~~ ~~to~~ ~~you~~.

to receive Your Reply
Ernest Greenwood.

Ernest Greenwood
New York
1894

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message, on the sending station for completion, and the Company will not be held liable for service or damage in transmission or delivery of the aforesaid message.

The message is an ~~URGENT~~ ~~URGENT~~ ~~URGENT~~ and is delivered by request of the sender, under the conditions stated above.

A. M. BREWSTER, Sec'y.

NORVIN GREEN, President.

Dated Montreal 14 188

Received at Montreal July 14

To Mr Edison

Montreal

READ THE NOTICE AT THE TOP.

Will you send me at
once by Express Parcel of
your incandescent lamps domestic
size C.O.D. Answer

Robert Kane

17 Paid $\frac{AC}{Xc}$ 11:20 am

Delivered on 1st

sent - to acct

Have none to
• spare yet -

THE EDISON ELECTRIC LIGHT CO.,
2 BROAD STREET.

MURIN GREEN, Pres.
H. M. GALLAGHER, V. Pres.
E. J. FERRIS, Cash.
G. GODDARD, Secy.

New York, July 15 1880

J. A. Edison Esq

My dear Sir:

This will introduce
Mr John S. Shapter Chief
Engineer of the Steamboat
Service of the New Jersey
Central R.R. Co who had
called on us to enquire
about placing the electric
light on the Company's
boats. I have given
him such information
as I could and at his
request give him this
note that he may call
upon you relative to
such details as I am
unable to furnish
Yours faithfully
G. Goddard

50 NASSAU STREET,

John Terry,
New York, July 22, 1880

Dear Mr. Edison,

Thanks for your kind invitation of day before yesterday, which I will endeavor to accept some time next week.

You will no doubt be pleased to learn that I had telegraphic reports from Rio Janeiro as well as Valparaiso & Callao, Peru, to the effect that the electric light worked very well.

Faithfully yours
A. Wallard,
per G.S.

James Laffel & Co.
Springfield Ohio

Pls. let me know whether
you have an Agent
in Colorado & P. ^{or prospect} ~~is~~ ^{is} ~~could~~
give us ~~an~~ ^{an} ~~agent~~ ^{agent} to
report on the availability
of water power in the
neighborhood of Denver &
to make estimates of cost
~~of such~~ ^{of such} ~~of such~~ ^{of such}
and what would be the ^{probable} ~~probable~~ ^{probable} ~~probable~~
T. A. E.

OK
July 4

[A VARIANT VERSION OF THIS DOCUMENT FOLLOWS]

6 P Co
J. S. Shapter ^{Letter to} July 26, 1866
see letter book

(July 26, 1880) Keep Copy

Dear Sir

It is very difficult in the present state of the Experiment Engine the limits of apparatus but I can for a while give you an estimate that will approach closely.

Cost in plant for one boat with capacity & equipments for 75 lights.

Engine & Electric Machine complete	1800
100 Lamps (25 cts ea)	60
Sockets	75
Wires to all parts of boat	200
Labor running wires, setting Engine	50
	<u>\$ 2185</u>

Total plant	2185
Depreciation Engine ^{4%}	72
Depreciation Lamps	80
Interest at 8% say	<u>170</u>
	<u>322</u>

If Running 6 hours daily 60 Lights, 10 Horsepower requires 35 lbs coal per hour or 210 lbs coal for six hours or 360 days in the year requires 28 tons at 4.20 per ton \$117.⁶⁰ - The oil may be estimated at ^{18 cts} 18 per year making \$125.⁶⁰ as actual cost.

Hence: Depreciation Interest Etc.
Power
Total Cost per year. \$ 447.⁶⁰

In Comparison with gas.

Each burner will burn 5 feet per hour
 That is for 60 burners 300 feet for 6 hours
 1800 feet for 300 days 540 000 feet.

This at \$405,00.

~~of this~~

Hence cost by Electric lighting

\$447,60

" " Gas Lighting 405,00
 In favor of gas 42,60

But if the Gas fixtures were added, the lanterns & other appliances upon the boat, the chance breakage of globes, substitution of new burners at the jets etc, ~~this gives~~ this gain would disappear.

The advantages of the E Light are that it is absolutely steady

2nd That nothing can be set on fire by it.

3rd That wind cannot effect it.

4. That it gives no trouble,

5: That it gives a pure monochromatic light

without gases of any kind,

6 that it makes no motion but imitates exactly the gas jet

In respect to the large lights of several hundred

Candle power, they are expensive, require a man

to attend them, are unsuitable, and as the carbon

is consumed they disintegrate & throw white hot carbon

particles around so that pans are necessary to prevent

the places where they are used from being set on fire. (Over)

In these estimates I have not allowed anything for Royalty to the Co. but this will be reasonable & will not very materially effect the price, I do not think it will bring the price of the light equal to that given by 1000 feet of gas at one \$1.20 per per thousand which may be considered reasonable when if City gas were used on the Farm \$2. per 1000 would have to be paid,

Menlo Park N.J. July 26, 80

J. S. Shapter, Esq.
New York

Dear Sir:

It is very difficult in the present state of the experiment to give the cost of apparatus but I can probably give you an estimate that will approach closely;

Cost in plant for one boat with capacity and equipments for 75 lights;

Engine Electric machine complete	1800
100 lamps ^(35¢ each) (25¢ each)	60
Sockets	75
Wires to all parts of boat	200
Labor running wires, setting Engine	50
	<u>\$2185</u>

Total plant \$2185

Depreciation Engine etc 4% 72

" Lamps

Lat at 7¢ per day

50 yearly; each lamp lasts 25 months

152 ~~142~~

304

114

(This average requires time for one boat daily
If running 8 1/2 hours daily 60 lights 10 horse power
requires 30 lbs coal per hour or 280 lbs coal
for 8 1/2 hours or 365 days in the year requires

In respect to the large lights of several hundred candle power, they are expensive, require a man to attend them, are unsuitable, and as the carbon is consumed they disintegrate and throw white hot carbon particles around so that pans are necessary to prevent the places where they are used from being set on fire.

In these estimates I have not allowed anything for royalty to the Edison E. L. Co but this will be reasonable and will not very materially affect the price. I do not think it will bring the price of the light equal to that given by 1000 feet of gas above $\$1$. per thousand which may be considered reasonable when if city gas wire used on the ferris $\$2$ per 1000 would have to be paid. perhaps $\$150$. per year royalty would be required by you Co this adding to what would else have
 of 314. yearly also saving effected by D. A. Edison

The Electric light to say nothing of the burning in insurance etc advantages on gas,

What is the expense of Lamp
 I propose to use the same gas fittings that is now on each boat with some globes if necessary
 The cost of tanks valves & locks pipes and other fixtures put up in boat for gas will be $\$1600$ for each boat

add X

Express Service



No. 114 STATE STREET.

Pastors, July 26, 1880

H. W. BRADDOCK
E. H. MANNING
C. H. BROWN

Mr J. A. Edison
Mines Park
N. J.

Dear Sir

We find that
the sample notes as
inclosed in our letter of
Saturday was not had
from our safe by the clerk
and we enclose herewith
checking to have it safely
A hand

we are
Truly Yrs
H. W. Braddock

Prof what did I say
to him = quest to Dr
H. = Molybdenum is of no
use in electric light

Express - prepaid.

111 State Street

HENRY W. PEABODY & CO.

Boston July 24 1880

Prof S. A. Edison
Menlo Park
N. J.

Dear Sir
The
Boston
Journal
has
re-
ceived
your
reply
to
our
letter
to
you
and
in
accordance
with
your
offer
to
test
and
report
upon
the
metal
believed
by
our
friends
to
supply
the
want
for
the
electric
light.
I
send
you
in
this
by
express
prepaid
the
small
sample
sent
me
called
"Molybdenum".
Awaiting
your
report
We
are
Very
Truly
Yours
Henry W. Peabody & Co.

Sample



file
Ed. July 28/90
Thomas A. Edison Esq
Menlo Park N.J.

Dear Sir:
We find, upon inquiry of the
sugar refiners, that pea and dust from
the mines is worth only \$1.50, as it contains
an uncertain per centage of slate. But
what is known as harbor screenings, which
is the fine coal that collects at tide water
and is free from slate, is worth \$2.38 per
ton delivered on dock here. This is said
to be of equal value with lump coal cost-
ing \$4.10 on dock.

Yours Truly
Babcock & Wilcox

1880

N.Y. Aug 3^d 1880

Thos B Connerly

Aug 4th 1880

Thomas Connerly

Perth Amboy.

It can be applied with great success.

shall I take the order. It will take

six or seven weeks,

J. A. Edison

New York, Aug 3. 1880

Dear Mr Edison

Mr Bennett would like
to know if your electric light
could be applied successfully
for the illumination of his
new steam yacht Polynia.

If yes, what would be the
entire cost of the thing?

I wish you would figure
it out fully and write
me at your earliest con-

venience. I have ordered sent
to you a copy of Sturpers
locality containing a des-
cription of the yacht, which
may be necessary for your
purpose.

Please telegraph me
on receipt of this a line
saying you have received
this letter. Telegraph me
to Perth Amboy, New Jersey.
Perhaps I will drop in
on you to-morrow.

Nothing on my way to the city

Yours faithfully

Wm. Brewster

Aug 4. 80

1
Thos Connerly
Perth Amboy
NJ

It can be applied
with great success
shall I take the order.

It will take six or
seven weeks

1920

Edison

1032
45w

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND RECEIVES messages only on condition, limiting its LIABILITY, that the same shall be made up by the sender of the following message, to the sending station for transmission, and the Company will not hold itself liable for errors or delays in transmission or delivery of messages transmitted in this manner.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions herein above.

A. R. BISHOP, Sec'y. NORVIN GREEN, President.

Date: Central Dist. Div. 188 a

Received at: Waukegan

To: Thomas A. Edison

READ THE NOTICE AT THE TOP.

*Wait answer till
I know the cost
Telegraph me to Herald
Office today.*

*Conroy
13 paid 511
Dn. 248.
915 am*

*No 1
T. B. Conroy Herald Office. NY*

*I suppose he would like security five rights
This requires small engine and magnets working
Combined, cannot give exact estimate as engine builder
has not set price engine but think it would not exceed
fifty or hundred dollars, without magnets et
extraordinary fancy - Edison*

*10/11/88
Green
10/11/88*

3
Mys-
J. A. Edison

Aug 5-80
10 20.

Have communicated
your answer to Mr
Bennett and will notify
you promptly of his
decision

Corry

15 Paid
mmy

Corning Glassworks
Corning N.Y.

How soon will our glass
come need it very bad

J. A. Edison

Written
Aug 10-80

N. P. Aug. 14th 1880.

Dear Madame Griffin,

The Glass samples which you
sent me for tests are not good
for any practical purpose
at all. That glass is ^{too} soft,
it seems to contain too much
soda, and is ^{rather} rough in
texture and impure when blown
or drawn out. Two contains
samples. The handle of the little
bulb is lead glass.

Ludwig H. Böhm.

Mc Cartersville York Co. Penn.
Aug. 19, 1880.

Mrs. A. Gibson
Niagara Park -

Dear Sir, Referring to Sawyers
opinion upon mine who
are unable to define
technical terms in matter
of invention.

There is a long list
which includes Franklin
Cotton, G. F. Smith, Henry
Page, Morse and later
Gammie - who was a
Carpenter and A. Graham Bell
to whom the world owes
more than it probably
ever will to Sawyer.

It seems to me that an
advantage obtains in the

working of ² electric motors
not unlike the advantage
gained in operating
several lines from one
source of supply -

Heiler sent Johnson de-
monstrated that in
limit of twenty three wires
could be worked from
one source of supply, and
when twenty lots were required
the remaining wire showed
an increase of but 1/10

If several motors can be
operated from a source of
supply which is but slightly
more than enough for one
motor will be worked as
indicated generally as described
now.

I have several claims
pending for such use of

21st part of Illinois

Electric Motors - using
used lamps and cheap
third rail and other
adjuncts - to such a
system which is
at your disposal
if you should find
them use for some
in making up an
assortment -

Yours very truly
Charles E. Bull

Roanoke for Sundays
Cantonville
York Co
Va

44

Ernest Greenwood

Newburgh, N.Y. Aug 17 - 80
Mr. F. F. Edgell
Mead Park, N. J.

Dear Sir,

Your favor of the
13th, stating the failure of my
glass to "blow" your tests is
I am sorry that you had the
trouble.

I send a specimen of iron
wire, sealed into a common
glass tube; & also iron & steel
wire prepared for sealing into
common glass. The steel wire
is prepared, with some of the
same glass I sent you.

I have in this way
sealed four wires into the bottom
of a common test-tube & had no
trouble as long as I kept the

wire in the center of the hole in
the bulb. The hole ^{in the glass} should,
of course, be somewhat larger
than the wire to admit of
enough elastic material to
take up the difference in expan-
sion. If properly annealed,
this joint will not crack in
reheating. The glass you
have been testing will work
equally well with iron &
steel in this process.

Thanking you for your
kindness,
Yours truly,
Ernest Greenwood

Blank No. 1.

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This message is an UNRECORDED MESSAGE and is followed by request of the sender, under the seal thereon placed there.

A. B. BRUNSWICK, Sec'y.

NORVIN GREEN, President.

Dated Aug 21st 188 80

Recorded at _____

To W. H. Merrick
430 Washington Ave
Philadelphia

READ THE NOTICE AT THE TOP.

We cannot possibly get along
with less than three and
one-half inches of space
between the field and
intermediate pillow block

T. A. Edison



Thos A Edison
Dear Sir - Could
not the wire for electric light
be run through a house in building
along the gas pipe & so down to
lamps, & operated as well as
through running through the pipes?

We find it somewhat dif-
ficult to run it through the
pipes - would No. 17 wire
be the best size to use?

Respectfully yours
G. P. Baker

I report to both of you but as you
are Headquarters for me, &
draw for a copy of alt. R.

PHYSICAL LABORATORY,
State Agricultural College.

J. K. MACOMBER,
Professor of Physics.

Ames, Iowa, August 28 1882

Mr. J. E. Edison
Mead Park N.Y. }

Dear Sir

I had the honor of receiving a letter from you in June last in which you intimate a visit in about two months you will be able to purchase your "Carbon" lamps to those wanting them.

Enclosed find an order for one half doz of the lamps which I hope you will fill as soon as they can be supplied.

Very Respectfully,

J. K. Macomber

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20250

DATE: _____
BY: _____

Survey No. _____

87
and

Armed Iowa Aug 25-80
J. K. Mendenhall
and assigned to
C. A. ...

...

...

...

Chas. T. Porter (Aug. 1880)
Southwest foundry
Philadelphia

We have sent the Pattern
for ~~the~~ the Dynamis electric machine
for which you are building
the Steam Engine tonight.
Please have it cast in your foundry
& planed to measurement as
per enclosed sketch. Blue
lines indicate where the surfaces
to be planed.

The hole and the two surfaces
marked a & b should be
particular grade. In general
we hope the castings will be
fair parts to your Engineer
It is desirable that the iron
is as soft as can be used to make
a good casting.

Babcock & Wilcox
30 Eastman Street N.Y.

We are now making up our approximate
Estimates for Central Station

We forgot the Price you
gave us, \$

Please give us your lowest Estimate
on (1200) Fuel-burners for power,

Boilers with and without Economizers
based upon your plans of!

April 8th 1880

J. G. B.

W. J. (Aug. 1880)

W. J.

Williams, Page & Co.
DEALERS IN
RAILROAD SUPPLIES
MANUFACTURERS OF

Railway & Steamship Lamps,
Glasses, Trimmings, & Fine Brass Goods,
24 & 26 BEACH STREET

Boston Sept 14th 1880

J. A. Edison

Dear Sir:

Will you be in New York
next week, or the week following at the
latest, and shall at that time call
on Mr. Paul Park to see, and shall
take pleasure in talking with you
concerning the getting up of fixtures
of the C. Lamp System, & remain

Very truly
Yours
Wm. C. Page

T. A. EDISON,

Menlo Park, N. J.

Sept 7 1880.

Monticello
Florida

Sent samples came
and so forth to day
address me here

J R L

J R Sequeador
Monticello.

Can you go from Cedar
Keys to Cuba after you
are through in Florida

T A Edison
Sent Sept 8 1880

Monticello Fla 8
T.A. Edison

Sept 8. 80
142

You will write today
full details information
received

John R. Jordan

Collected

T. A. EDISON.

Marlo Park, N. J.,

1880.

Sherrwood's Hotel
Monticello Fla. Sept 8/80

Dear Sir, I arrived here last
Saturday from Jacksonville. I
was unable to do anything ~~here~~
until Monday evening. The sun
was so hot I could get no one
to act as guide for me. Through
the day I went into a sawmill
myself without a guide & it was
as much as I could do to get
out again as the ^{gate} ~~case~~ I got on
Monday eve. is marked No 34
& comes from a place known
as Bird's ^{east} Plantation about
4 miles from town.
Yesterday I ~~went~~ hired two
moppers to act as guides & ~~went~~
went to Simons ^{marked 35} Plantation of
The place where you leave the
main road is known as the 2
mile branch & then you have

It across the country for about
13 miles. I tore my pants &
clothes all to pieces. You have
to pass through several swamps
or branches of the same one
to get where the large cane
grows. What renders this
job extremely interesting is
the story probably of getting
bitten by ~~an~~ a snake. There
are 4 poisonous varieties
I saw a cow which had just
been bitten by a rattlesnake.
She was all swollen up
three her usual size.
I came near getting caught by
one coming back from
Simon's Plantation. In both
coming & going very steep
we took we had to beat
the long grass etc in front
with sticks. ^{with sticks} we took out the snakes
I walked in the middle going
going & last coming back
the two darkies shouted
& jumped & I jumped
too. After some tussling one
before we discovered from our feet.

T. A. EDISON,

Menlo Park, N. J.,

1880.

The greatest difficulty I have
is to find reliable information
on which to act. The one
person contradicts the other
I was told by the Captain
of a small boat that runs
to the interior of this state
down south. That there
was no cane there. But
in some places there was
quite a quantity of what
is known as bamboo
reed. This is extremely
thin & brittle & not of a
fibrous nature. This is
known in different parts
of the state as Maiden
bark. & ~~known~~ "Arrow
bark". I have been to
two swamps where this
grows. but it is no
good. I find out there
is a kind of reed grows

Nearly similar, ^{in appearance}
to the cane ^{but the ~~comparatively~~ ~~different~~} ^{is} ^{often} ^{mistaken} ^{by} ^{the} ^{unskilled} ^{parties} ^{for} ^{the} ^{cane} ^{proper.} [&] ^{both} ^{often} ^{grow} ^{within} ^a ^{few} ^{yards} ^{of} ^{one} ^{another.} ^{The} ^{dense} ^{thick} ^{kind} ^{called} ^{Swatch} ^{cane} ^{grows} ^{on} ^{the} ^{dry} ^{or} ^{upland} ^{ground} ^{or} ^{on} ^{the} ^{borders} ^{of} ^{the} ^{Swamp} ^{or} ^{river.} ^{While} ^{the} ^{red} ^{variety} ^{of} ^{cane} ^{is} ⁱⁿ ^{Swamp} ^{proper.} ^{This} ^{cane} ^{proper} ^{can} ^{be} ^{made} ^{denser} ^{by} ^{cutting} ^{or} ^{pruning} ^{off} ^{the} ^{tops} [&] ^{thinning} ^{out} ^{the} ^{surrounding} ^{cane} ^{so} ^{as} ^{to} ^{let} ^{the} ^{sun} ^{get} ^{at} ^{it} ^{etc.}

An extremely important part is the season at which it is cut. When the sap has all dried out. Then it is the same as wood ~~properly~~ cut at the proper ^{or}.

T. A. EDISON,

Menlo Park, N. J., 1880.

Season & won't shrink or
warp. It may be apparently
all right. But if not cut
~~right~~ at the right season
it will be full of minute
cracks invisible ^{to the eye}
At one time there was a
business done in this state
of thousands of dollars,
made by getting & selling
Cane for slings but this
went out of fashion with
the introduction of steel,
rimmers etc. I was too late
to catch the mail last
night. But I got what may
prove valuable information.
Namely that there was an
immense bamboo, or cane
grows down ^{the Fall} somewhere
between Tampa & Key
West. The man that I got the
information of says the US

bone was so large that
he saw it used by the
fishermen for bait boxes
also to carry water. The
man who furnished this
information said he had
seen it, but he did not
know where it grew. He
was nearly certain it was
some of the islands around
Key West. I am going
to hunt for it after I leave
the northern part of the state.
I am from here - after to -
morrow - to Chaires &
where I have been told in
Jacksonville that there was
some cane. From there I
go to Chattahoochee & ~~down~~
from there down the
Appalachicola River, down
it to Pickens Bluff where
I have been told they came
are by the 10000

T. A. ADISON,
J. Hegredor

J. Hegredor
The Fibre

Sept 25 1880 Menlo Park, N. J., Oct 25 1880.

As I said before the main
difficulty is to get reliable
information & then to get this
has caused me a good deal
of running round & some
money. I have been to 3
places where the cane was
only good for paper stems
every thing is green yet &
when I went to the 2 mile
branch the thermometer stood
between 95 & a 100. No white
man would go out.
Another thing is I have got
to hire a guide as soon
as I find out a place
also a horse & wagon or
horses to ride on. It is
utter folly for me to attempt
to find out a place on foot
& alone. These all cost money
& the very one white & buff
alike are on this (make 5)

In this state, my board
alone since I have left
has cost at least two
dollars a day ^{in some instances}
more ^{than in others} to the
cheapest places. Not being
a permanent boarder
I have to pay the price
of transient. So with
paying a guide & getting
some means of conveyance
it costs something. The
state is very thinly
settled & large portions
are not settled at all
You can get any amount of
land almost for 80 c per
acre & covered with the
finest pine too. But the
ground is all sand. From
all I can learn there is nothing
to be gained by going to the
coverlads as every one says
there is no land there. But I
will go if you wish & see for
myself. It will cost money for
transportation, etc.

John R. Repedor

the P.S. The cane in the
various places is liable
to be destroyed any time
by fire. ~~It~~ accidentally or
premeditated to clear the
ground, or by cattle being
turned in in the winter.
They crush it down & eat
the green tender tops. The
dry rotten canes burn the other
green ones. When it is burning
the moisture at the joints
is heated & ~~expands~~ bursts
the joint with a noise. ca 7

like a rifle I have been
told it is quite a sight to
see & hear a cane brake
burning. The brake of tin covers
kills but the large or moderate
sized cane is generally ^{the best}
confined to a small area
~~at~~ ^{at} ~~the~~ ^{the} ~~base~~ ^{base} of fires cattle
etc. destroyed it ~~is~~ before
it has time to grow



SHERMAN HOUSE

G. J. KISSNER, PROPRIETOR.

Forge, P. O., Sept. 10, 1880.

Mr. Edison

Dear Sir

I Enclose
you a specimen ^{was} of Weed I
found last evening which
will not burn!

Thinking it might
be of some benefit to
you in your experiments
is my reason for send-
ing it.

Very Res. Yours

Geo. F. Shorb

address

Van-Wert,
Ohio

(Sept. 15, 1920)

Vulcanized Fibre Co.
Wilmington Del.

Please send 4 Disks of each size
instead of two.

I wish to know whether you
could, without insuring the
material Dry it & straighten
it. I would if it was not for
the trouble of the shrinking
& warping of the Fibre
all through my electrical
work which will before long
be very extensive.

Could you perhaps expense
it to heat & then press it & keep
on heating & pressing
until the warp would be
all out of it.

Of course I should be willing
to pay extra for that
if you think it can be done
please do it on the Disks.
Should be glad to hear from you about
this respectfully T. N. E.

occupied by a white Section
Master on the R.R. In fact
with ~~one~~ or two ~~of the kind of towns?~~
exceptions this is the ~~only~~
all along the road. I tried
to find the cave of Charles
myself without a guide
~~It is near the bit of land~~
to give it up & come back
in a brooding rain. It is
near the end of Lake
Lafayette. I was obliged to
content myself with a fish
pole that had been cut there
bought from a negro
I had to beg at the ~~section~~
~~Master's~~ to be taken into
the section Master's house I had
a talk with him when he
came home & he will get it
if it ~~is~~ the case if it is
wanted. So far I have
seen no cave that near
equals the one you are
using in density. All I have
come across ~~is~~ full
of pores. I have not seen any
old cave yet & I don't know
how it will be.

T. A. EDISON,

2

Menlo Park, N. J.,

1880.

The reason why no old Cane
has been found (so far) is
that the people get fire to
the Cane brakes in the winter
time ^{Monday} to kill out the old
Cane in a short time.
Shoots of young Cane springs
up in places of the old
And in to which cattle
are turned in the winter
The cattle are extremely
fond of this young Cane
& it proves very nourishing
& fattening as it is the only
green food to be found.
I got pretty reliable information
& corroborated that there was
plenty of Cane down on the
Verla River & on the Waccasa
River down at & below the
Natural Bridge, at the very
foot of Jefferson Co. ~~If I had~~
there is no means of getting

there as there is no one
lives there. I ~~to~~ would have
to hire a ~~team~~ ~~&~~ take horse
& wagon & also a guide
& take food etc & a camping
out fit with me: rubber boots
& blanket or coat. In fact I
should have these two now.
Any one that ever goes down
there goes to camp out &
shoot bears & other game
when they get to the river
if they have a boat they
cant use oars as the river
is full of saw grass & the
only way they can work
the boat is by poles
if some pieces there is no oars. I heard they cant use poles
I had no authority to go to
the expense necessary to go
there & it would have left
me without any money. I
preferred coming on to here &
going down the river where
~~boats~~ where boats go down ~~the~~
the river, once a week.

Menlo Park, N. J., _____ 1880.

The fact is I would like to finish
this job as quick as possible
There is no pleasure nor profit
about it - any more ~~than there is~~
^{to get very quick} something suitable for
the light - if there is a good
deal of hard work. But now
that I have undertaken the
job I want to carry it
through in a satisfactory
manner. I have visited a
no of Swamps of what was
commonly said to be cane
& they turned out to be only
reed. No one ever mist these
cane brakes except someone
to cut a fish pole. The
reed brake & the cane brake
look exactly alike on the
outside of the Swamp, & I can
see no difference in the two
except that the cane grows
larger than the reed

The samples of cane I got from
around ~~the river~~ were only
got from a few patches
yet I rode a no of miles
in a heavy rain along
a belt of swamp, ~~yet~~ through
a weed that grows here
over fifteen feet high. When
my guide who was on a
mule got a few feet in
advance of me I would loose
sight of him. This swamp
bore the reputation of being a
cane brake for miles upon
getting off my horse & finding
my way into it. It turned
out always to be only weed
except in the few patches
mentioned.

From what I can learn
there is any amount of cane
in this river. I ~~was~~ am
now waiting for the boat to
come along. I will have to
wait for this more days. I
was going to try to go from the
mouth of the river to

T. A. EDISON.

4

Mingo Park, N. J.,

1880.

bedside keep. But I find there
six or so boats run between the
two places so I will have
to come back the road I
came. Please do not fail
to write me in full to
address care of the Postmaster
Zallahassie. I believe ^{you will} ~~you~~ ^{personally} ~~personally~~
~~need some money to~~ ^{have}
kept a list of the expenses
& out of the money I got I
have sixty three dollars
left. You will please send me
full instructions to Zallahassie.
On coming here to the Northern
part of the State I used my
judgment & selected out of the
information I was able to glean
what I considered the most
trustworthy information.

John R. Sigurdson

Lot no 1 From Jessup Georgia got within
20 miles of the station going east. This lot
consists of.

- No 1 A sample of some Swamp bane
 " 2 sample of ~~Bear~~ Grass
 " 3 Spear Grass
 " 4 Green Polyctes
 " 5 ~~Flora~~ Tree
 " 6 Some Root one with ^{one} flowers
 " 7 Some long flat plant
 nearly like Bear grass
 The Bear grass is the
 short flat plant with
 the point at top of leaf
 " 8 Some grass out of a Swamp
 " 9 A Briar or vine out
 of a Swamp

Lot No 2. From Ella ville Florida
consists of samples of woods got at a
Saw mill in the woods ^{near} the fork
where the Withlacoochee & Suwannee
Rivers run into one another

- No 10 Sample of Haw Wood
 " 11 Cedar "
 " 12 Persimmon "
 " 13 China It can't be " splintered
 (14) " "
 (15) Two bushes of Gum wood
 " 16 Coffee weed. do is inside
 another lot of woods

Lot no 3 From Lake City
consists of the butt ends of 3 Canes

collected August 30/80

collected August 1880

original set of names

D. P. Ricket 1880 - collected by post 31

Lot No 3 ~~consists~~ From Lake City, Fla.
 consists of the butt ends of 3 Cans
 (No 17) Sample of bark
 " 18) " " "
 " 19) " " "

Lot No 4 From Jacksonville Fla. -
 consists of ~~long Palmetto fibre~~ ^{bed made}
 into a fly brush
 No 20 " Palmetto fibre brush

Lot No 5 From Jacksonville Fla. -
 consists of
 No 21 Sample of the outside of the Panama
 tree - proper - also of the Panama
 leaf, also of the cleave that runs
 up & divides the leaf. This makes
 3 different samples from the Panama
 tree

No 22 Sample of Lily that grows in
 garden here
 No 23 " " Sea coats
 No 24 " " Egg Grass, grown in Southern
 Florida
 No 25 " " Acacia Plumes
 No 26 " " consists of what is
 known here as Air Plant, from its
 growing anywhere nearly out of contact from
 the earth, against the side of a house or tree etc

D. P. Ricket 1880

Lot No 6 ~~Consists of~~ Brown Jacksonville ^(Sept 14)
 Fla - Consists of
 No 27 Sample of Orange Tree made into ^{Case}
 No 28 " " Lemon " " " "
 " 29 " " Palmetto Stem cut
 " 30 " " ^{in 3 pieces} ^{Known as Indian}
 reeds & are used for ^{pegs}
 Stems & grows in ^{subtropical}

Lot " No 7 Jacksonville Fla consists

No 3 " Sample of a plant known as
 "Black eyed Cuscuta" ^{It grows}
 down on the Bahama Coast

Dear Sir. It has been raining heavily
 without stopping since I came into the
 State. It has commenced to clear up
 to day. We are having the equinoctial
 storms here now, but it has commenced
 to clear up to day.

I will leave for Monticello to night
 or to morrow. I hope to get some
 Highland Curle there. After I leave
 there I will visit a ~~number of places~~
 along the road & then go South
 into the interior of the State where
 all the fruit etc grows. If you
 wish you can address me at
 Monticello to the Post Office

I will leave directions to have it
 forwarded to me if I be there
 I forwarded you

... for ...
needs & are used for ...
Stems & grows ...

Hot Air ... Jacksonville Fla ...

Nov 31 Sample of a plant known as
"Black Eyed Cuscuta" ...
down on the Bahama Coast

Dear Sir. It has been raining heavily
without stopping since I came into the
state it has commenced to clear up
to day. We are leaving the agricultural
stomachs here now, but it has commenced
to clear up to day.

I will leave for Monticello to night
for to morrow I hope to get down
my hand some there. After I leave
there I will visit a goodly quantity
along the road & then go south
into the interior of the state where
all the fruit etc grows. If you
wish you can address me at

Monticello to the Post Office

I will leave directions to have it
forwarded to me if I have them
also. In the telegraph operator
I forwarded you 3 letters last day
numbered 1st 2nd 3rd last of ...
can easily be ... degree ...
them. If you order any use the ...

John R. Seward

- (2)
- | | | |
|----|----|---------------------------------|
| No | 32 | Black Jack wood |
| | 33 | Cyperus |
| | 34 | Canes |
| | 35 | Canes |
| | 36 | Rock Berry Shrub |
| " | 37 | Sumach one variety |
| " | 38 | Cassaras |
| " | 39 | Myrtle |
| " | 40 | Haw Shrub |
| " | 41 | Seed bearing stem of Bear Grass |
| " | 42 | Bamboo Briar |
| " | 43 | Sea Island Cotton Shrub |
| " | 44 | Jessamine vine |
| " | 45 | Pugar Berry Shrub |
| " | 46 | Bull's vine |
| " | 47 | Lice weed Shrub |
| " | 48 | Cane tops stem & roots etc |
| " | 49 | Iron wood |
| " | 50 | Iron wood |
| " | 51 | Iron wood |
| " | 52 | Waxwood |
| " | 53 | Bamboo Briar other variety |
| " | 54 | Glades wood |

- No 5-5 Wild Berry wood of Buckroot
 " 5-6 Water Bark
 " 5-7 Black Walnut Bark ^{Roots}
 " 5-8 Wild Plum ^{Bark}
 " 5-9 Man's Beard or White Ash
 " 60 Wild Honey Suckle
 " 61 Wab Hob or Lynx
 " 62 White Bay
 " 63 Dog wood
 " 64 Ingotium Ivory
 " 65 Pink near species of Pinchona
 " 66 Poplar
 " 67 Ruckly Ash
 " 68 Burrant wood or Ash
 " 69 L. soil "
 " 70 (Sage Brangl.) ^{Flowers}
 (frown Texas)
 " 71 Cleander Tree
 " 72 Pomegranate Tree

John R. Clepredor

The same as ^③ from
Drifted, about 1/2 mile
from it. Sept 16, 1880

- No 73. Fibre from the inner
part of the bark of the
Wash Hoo tree
" 74 Same from the Coopersy
" 75 Place 2 samples from
dried fish pole
" 76 Same from the Turnbull
" 77 Place different parts of
" 78 same as
Lot 16

- No 79. Wild Mulberry
" 80 Red Bud
" 81 White Hazel
" 82 Black Haw
" 83 Sample of Reed
" 84 Red Haw
" 85 Bluecapine

F. H. Gregory
21

No 86 *betawaba*
" 87 *cross vine*
" 88 *Gall Berry*

John R. Regidor
If any of these canes, ^{plant} suit
they should be ordered at
once, as they are liable to be
cut down, burned, or trampled
down & the tops eaten by
cattle in the winter. ~~As~~ the
tops remain green all winter
the cane the size of the butt of
an average pole pole is very
limited in quantity. Only a
few patches or acres as far
as I have seen yet. And I have
walked & rode along miles
of Reed & also young cane that
will be trampled down & eaten this
winter. There to be any crop & quantity
must be at least 24 years old.

K. A. EDISON,

Menlo Park, N. J.

1880.

Appalachian Old River Station
Sept. 16/80

Dear Sir, I forward you
~~the~~ the two last samples
of cane. I am out of postage
stamps & had to give a
person fifty cents to mail
them. I hope he will
do so. There is a little
island here nearly a
mile long that has the
best cane & largest
quantity I have seen yet.
The island is about $\frac{3}{4}$ of a
mile long & is surrounded
by a belt of cane all around
from 20 to 30 feet wide. It is
a natural curiosity. It is as well
done as if done artificially.
The cane grows down to the
water edge. The storm caused
the river to overflow &

4

destroyed a very large
quantity of the same
The man is leaving
& I have to close

John R. Dequedor

- No 89. Case from chairs
" 90 Cases from island
" 91 Other Plants, Pod
" 92 Climbing Cedar
What the park was built
will not rot in 50 years
93 Variety of Bamboos vine
" 94 to " of Lily
" 95 " Bamboo vine No 2
" 96 " " Roots etc

Menlo Park, N. J.

1880.

Lot 19. From the banks of the
Appalachicola River

No 97. Came from the large
tract at mouth of Florida
River. Numerous other patches
large + small. (that) sampled
are about the same average
size & quality.

No 98. Roots of the "Blue" Palmetto
There are 3 varieties of Palmetto
Saw. Blue, & Gabbay.

No 99. Gumbo Balls

No 100. Roots of the Orange Tree

No 101. Roots of one species of Willow

No 102. Weeping Grass

No 103. Stems of Saw Palmetto

No 104. Bark of Hickory Tree Young

No 105. Bark & Wood of one species of

No 106. Willow

No 107. Inocassion Tree

No 108. Swamp Hickory

No 109. Young Cypress

No 110. Bottom Wood Tree

No 111. Seed Bearing Stems of

Blue Palmetto

No 112. Birch

- No 112 Roots of Red Oak
 ✓ 113 Cane Roots
 ✓ 114 Myrica Root
 ✓ 115 Part of Blue Palmetto
 ✓ 116 Striped Mulberry
 ✓ 117 Inner Part of Bark of the
 Cypress Tree
 (118) Roots of Trees. names unknown
 119 Same good (same samples)
 120 ~~Know~~ the spot where ~~root~~
 121 ~~them~~
 122 ~~flower~~ plant name unknown
 Lot 20 Tallahassee
 No 124 White Mulberry Bark & Root
 ✓ 125 Century Plant
 ✓ 126 Ribbon Gane
 ✓ 127 Ribbon Grass
 ✓ 128 Spanish Bayonet

My Hotel expenses date
from August 27 inclusive
to Oct. 4.

Hotel expenses 37 days \$18.75

1 Atlas of Florida	0.75
1 Hatchet to cut cane	1.00
1 Knife " "	1.00
Guide at Jessup	0.50

R.R. Fare from Live Oak to
Gillaville + return 1.20

4 Cans at Lake City 1.00

Twine + paper 0.35

Mosquito brush for Camps 0.50

Various Grasses + boxes 2.20

for Camps at Jacksonville 0.20

2 Fish Rods for Camps 0.50

Boat over to bypass

Advances 1.00

Postage stamps 1.15

R.R. Fare Jacksonville
to Monticello 6.75

Hire of horse to Bird

Plantation 1.00

Guidle + conveyance

twice to Seminole place 2.00

Stamps 1.00

10.00

85

Telgrams	1.00
Courtesy & Guide to 2 Mill Branch	1.50
Stamps	1.20
Places visited	} Guide etc 3.75
Roach Plantation	
Gambles "	
Naylor's "	
Booksey "	
Lumball "	
Naylor's Plantation admission one	1.00
2 R.R. Fares Monticello to Driffton & return	0.80
Monticello to Driffton	0.20
R.R. Fare Driffton to Chairs expense at Bleairs	0.50
R.R. Fare Chairs to Zallahassee	0.55
Zallahassee to Chattahoochee landing	2.00
Postage Stamps	0.25
" "	0.50
Boat on River going up & down	1.00
Appalachian River to Both ways	12.00
	<hr/> 27.15

Chattahoochee Landing	27 15
to Kallabassie	2 00
expenses at Kallabassie	2 00
Telegrams to see if there	
was any letter where I had	1 00
left Postage stamps	1 10
	0 50
R.R. Fare to Baldwin	6 75
Baldwin to Cedar Keys	5 50
Boats around Cedar	2 00
Keys bought	
Expresses as samples	1 75
R.R. Fare Cedar Keys	
to New York	38 35
New York to Mount Park	
3 times (being about	
Passport etc	2 00
Gumming	1 50
Sleeping cars	6 00

98 60
 100 85

 199 45

Expenses to
Baltimore

R.R. fare to Phil-	1 " 81
" " "	1 " 81
Phil - to Baltimore	3 " 25
" " "	8 " 25
	<hr/>
Hotel expenses	10 " 12
	4 " 00
	<hr/>
	14 " 12
	199 " 45
	<hr/>
	213. 57

350.00
<hr/>
213.57
<hr/>
136.43

\$200.00 extra

of Newark N.J. Sept 17, 80
Geo. Price
a Sept 21, 80

Haregotaman

Newark, Sept 17th 80
Mr. J. H. Edison
Lombard Street

I saw you by way this
a. m. and he informed
me that you wanted him
to go to India to purchase
Pocahontas. I am now await-
ing the death of my wife
which is momentarily expect-
ed and as soon as the
funeral is over I shall
be at liberty to go anywhere
away from this place as
there will be no further
ties to bind me to Newark
and if you think that
my judgment would
be worth anything can

open for anything, no
matter what I am writing
this on, my knee and
attending to her as well
it may appear strange
to you that I should write
you under the circumstances
but anything for relief
from my thoughts.

My wife just expressed
the wish that she should
be remembered to yours
as she has met her on one
or two occasions and thinks
very highly of her. If you
want a nurse that will work
faithfully and honestly
please let me know as I
have had a hard time
of it for the last few months
and am entirely out of
means hoping I may

hear from you soon

I. Remain
Yours truly
Geo. Pater

Address 61 ^{rd.} Richmon St
Newark

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on condition, holding the liability, which here
 is assumed by the sender, of the following message.
 There can be placed against only by receiving a message back to the sending station for comparison, and the Com-
 pany will not be held liable for any error or delay in transmission or delivery of telegraphed messages.
 This message is an UNRETRIEVED MESSAGE and is delivered by request of the sender under the conditions
 stated above.

A. N. BREWER, Secy.

NORVIN GREEN, President.

Dated Tallahassee Fla Sept 22 1880

Received at Mobile Part 70

To J. A. Edison

READ THE NOTICE AT THE TOP.

Belt three miles wide
 ten long numerous smaller
 appalachicola size quality
 previous samples through
 northern Florida. What orders
 mailed samples.

John R. Sequidore

1/collect 1/2 Rate.

No 4, Tallahassee Fla 4/24
 J. A. Edison Mobile Part 70
 N.J.

Have to wait money has
 to come from Savannah
 send other hundred early
 tomorrow that it can be
 ordered & leave there same
 evening
 J. R. Sequidore

THE WESTERN UNION TELEGRAPH COMPANY.

ALL MONEY TRANSFERS MADE BY THIS COMPANY
SUBJECT TO THE FOLLOWING TERMS:

For the accommodation of travelers and others, in emergencies, and incidentally to facilitate its own business, The Western Union Telegraph Company will make transfers of money, in small amounts, containing no fractions of a dollar, between a limited number of its offices.

Such transfers will be made upon the following terms and conditions, viz: To cover clerical and incidental services, a charge will be made of one per cent. on all sums of \$25 or over, and for smaller amounts such charge will be 25 cents in each case.

As the usual telegraphic service necessary for each transfer exceeds two telegrams of 15 words each, a further charge will be made for this service of ten cents exceeding double the tolls on a single message of 15 words between the transfer places.

Payment of the sums transferred will be made at the principal office of the Telegraph Company at the point designated, upon satisfactory evidence of the personal identity of the sender. The sending of a telegram requesting transfer of money to its sender will not be sufficient evidence of his identity with the payee of such transfer.

In case payment is not made to the payee within 48 hours after receipt of the transfer message by the Manager of the paying office (exclusive of Sundays and holidays), the transfer will be cancelled and the amount thereof refunded to the sender on application at the receiving office, and in such case the amount received for services and tolls will be retained by the Telegraph Company.

A. B. BREWER, Secretary. NORVIN GREEN, President.

No. 6 Sept 24 1870

The Western Union Telegraph Company,

Received of Thos W. Gibson

One hundred Dollars,

to be paid to John R. Sedgewick

At Some Place, Tallahassee

subject to the above terms and conditions.

W. J. H. Barr
Office Manager.

Amount of Transfer, \$ 100.00
Telegraph Service, 2.70
Other Service, . . . 1.00
Total, . . . 103.70

THE WESTERN UNION TELEGRAPH COMPANY.

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A. B. BREWER, Secretary. NORVIN GREEN, President.

No. _____ 187

The Western Union Telegraph Company,

Received of Walter D. Puffer

One hundred Dollars,

to be paid to John R. Sedgewick

Tallahassee Fla

subject to the above terms and conditions.



Amount of Transfer, \$ 100
Telegraph Service, 3.70
Other Service, . . . 1.00
Total, . . . 103.70

I myself have had a return of the same kind I had in the beginning of the summer. I have been taking heavy doses of Quinine Night & Morning & it has left me pale. I saw the State Commissioner of Lands etc yesterday eve. - He has just returned from a prolonged trip through the extreme southern portions of the state, V. L. Dale Co. & Monroe. He has been a no. of months away arranging for the opening of the land ^{to} market as they have never ^{been} introduced before. He completely justified the course I pursued in not going there to look for game. He says there might be an isolated spot of a few yards in area ^{that} is all. A large portion of Dale Co. has never been explored or surveyed. There is a number of Indians in that ~~portion~~ ^{portion} but they are friendly. The hotel I am stopping at is opposite the State Capitol.

T. A. EDISON,

2

Menlo Park, N. J.,

1880.

is frequented by the State officers
The State Comptroller, asked the
Clerk to introduce him to me
He offered his services to but
I got nothing new in the way
of information. He got me three
Century plant & Spanish
Banyan plant out of Capitol
garden. I saw these three &
asked him for them. Anytime
you wanted anything here he
said to let him know & if he
could not get it himself he
would get others to get it. Anyone
that has read anything about, or
seen an electric light considers
you the inventor. Such as the
light on Coney Island
Broadway, the Bowery etc
It is rather embarrassing after a
man has praised what he
considers your light up to
the skies to have to tell him
he is wrong. I generally let
them keep the view they have got

I have been told by a no of
different parties I made enquiries
of that there was large
quantities of cane in Georgia
But they all say it just the
same quality as the cane in
this state, & the cane here
is not a true Bamboo.
Of course you know a large
portion of the samples sent
are not sent with the
expectation that they will
answer, But merely to cover
all the ground, & show you
working. It is a great pity
some kind of wood could
not be used. They say to make
it elastic by high pressure
steam, Only instead of
the steam of water use
absolute alcohol, or some
light oil etc. This would
give the wood enough elasticity
without giving it anything that
would destroy it in the
process of carbonization.
At Ollaville where I stopped
at some time ago I saw
something that may interest

T. A. EDISON.

3

Menlo Park, N. J.

actual
1880

you. It was a no of boilers
fired with great sawdust
The noteworthy part was
that three heats were got
First the flame went underneath
the boilers, then through the
flues, & finally third &
last over the top of boilers.
They seemed to work first
class. The draught was
got by merely burning a
small quantity of sawdust
in the ash pit. The sawdust
was brought there by an
automatic apparatus. This
is the largest mill in the state
& is owned principally by
the present Governor of the
state. I saw him there &
had a few minutes conversation.
But I did not know then he
was Governor. I got the address
of a man who has been all
through the West India
Islands. I am going to write ^{to him} him.

to enquire. I will tell him to send
the answer to Wendell Park you
can notify me by telegraph
If he sends any information
of any value. The Commissioner
of Land gave me his address
and he is said to be well
posted & to have been to
Jamaica etc. there
Jamaica.

John R. Reped

John R. Reped
G.M.

T. A. EDISON.

Menlo Park, N. J.,

1880.

Central Hotel Tallahassee
Fla. - Sept 25/80

Dear Sir, I am out here
representing L. A. Edison of
Meads Park New Jersey
Probably you know the
great inventor by reputation
I am searching for a
certain kind of cane
similar to the bamboo
that is used to make
fishing rods of. I can
find plenty of cane but
none of the requisite quality
It must be solid & close
grained & not porous
The Commissioner of lands
Mr. Cowley gave me your
name & address & said if
any man could give me
the information I sought
it would be you. He said

You had been all through
the West India islands
Jamaica etc. What I want
to know is if you recollect
ever having seen any of
the bamboo cane in your
travels among these islands
etc & if so where or if you
have seen any very tough
fibrous plant of any kind
there in your travels. Mr
Codison uses it to make
an electric light out of
it. I shall feel greatly
indebted if you will send
the answer to this to him
~~and~~ Codison at Menlo Park.
As I am going to Cuba I have
not time to wait for an answer.
Hoping to return the favor
in some way

I remain
Yours

John R. Segrador

Sept 28
1878



Or. Land Fla. Sept 29th 1880

Dear Sir

There is a species of Wild cane that grows in the North side of the Island of Jamaica that is solid & heavy, great quantities can be had. I think however you would save much time & money in searching by going straight off to the River Amazon, where every variety of Cane & reeds grow. Some years ago Bamboos were being shipped from Jamaica to New York for paper making, but they were hollow & even when split, difficult to compress, the business was abandoned & transferred to Brazil where a reed was found that was solid, & achieved the purpose as well.

Yours Respectfully
G. Corription

Answer to a letter from J. R. Seagraves

m/ Upsala Sweden Sept 20 80
Dr Otto Peterson
a Oct 15, 1880

Upsala 25th Sept. 1880.

To Mr. Edison, by Postal Note No. 1.

Dear Sir,

I take the liberty of begging you to send me some scientific papers recently published by you.

Being occupied with the publication of a treatise on the modern theoretical principles of electricity, I have been obliged to enter upon a critic of the theory of Edlund, who ascribes the electric current to a circulation of the free ether contained in the circuit. The electromotive force entering in the circuit acts similar to the heart of the human body, compelling the ether to flow through the entire circuit like the blood in the veins of the body. According to this theory the same quantity of electric fluid is always employed in the same circuit, the intensity of the current depending

not on the quantity but of the velocity of the aether.

I wish to point out, that there may be another possibility. If the current is caused by chemical action, viz. zinc and sulphuric acid, the aetherial layer enveloping the molecules of the metal must be destroyed and the aether, thus set at liberty, may be obliged by the electromotive forces to partake in the circulation of the current, in which case an accumulation of the electric fluid in the circuit would take place, the density and also the pressure of the aether augmenting consequently. From the perusal of a paper upon electricity I recently found, that the idea of electric currents of "high pressure" has been introduced into science by you. Not being able to procure the original paper, I must beg of you the favour of forwarding

them to me. I only wish to trouble you for those papers, wherein you have treated the theoretic parts of electricity.

Your important investigations will not only be of the greatest interest to me, but will, as I hope, essentially promote the accomplishment of my task.

I remain, dear Sir,
your most obedient servant

Dr. Otto Pettersson
Docent at the University
of Upsala,
Sweden

Pensacola Fla

Sep 28 1880

Prof J. E. Edison
Menlo Park N.J.

Dr Sir

Yours of 21st inst recd
noted. I send you the large end
of my "fishing Rod" I think it is
rather above the medium size of the
"Red Pine" Cane - The joints are shorter
at large end. The sample sent you
is a whole joint - you will notice
the tissue inside, perhaps you can
put that to use. I also send you
a small piece of our native cane
also cut off of one of my Rods -
The sample of Bamboo sent you was
purposely piled out as the most
decayed - I can gather up about
200 running feet of that kind
you by 2nd or 3rd or 4th - The pieces
are about 10 or 12 feet long & from
2 to 3 in diameter - If you can use
it. The cost to you will be very
little outside of freight - say 10^{cts} per
cartage & picking up - I am not a
Scientific man nor have I much

of the "filthy Lucre", but if I can
be of any assistance to you in
your researches call on me & I
will respond.

Though if there is to
be a demand for the cane would
like to have your price for gathering
some before you settle on giving the
contract out. The Pods sell here
at retail at from 25 to 40 frach
according to size. Have you ever
thought of making the friction of
a massive beam of cane - useful to
lighten (than?) If our cane can
be used they are plentiful. Should I
get a price of our native Rotan
with you - or in fact any
other species which comes anyway
near my idea of what you want.
Does the cane have to be one in diamter
of certain you use it in strips?

Yours & C
Wm R. Denny

The cane I cut the joint in two so as
to make the package better shape -
I also send you a joint (the smallest) of a
species of Garden cane propagated from
roots. The grain is fine and may answer your
purpose if Curle is large enough.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits and delivers messages only on condition, limiting its liability, which have been accepted by the sender of the following message, and the Company will not hold itself liable for errors or delays in transmission or delivery of telegrams or messages if an UNRECORDED MESSAGE and is followed by request of the sender, under the conditions stated there.

A. N. STEWART, Sec'y.

NORTH GREENE, President.

S. Dated Cedar Key, Fla Sept 27 1880

Received at Manila Porto

To Thos R. Odium

READ THE NOTICE AT THE TOP.

See Spanish Consul
Cant do any thing without
Passport from Washington
and letters showing business
quarantine here against
Keywest fever there.

Havana letters came 90
from north quicker cheap
more certain.

Jno R. Sequer

31 Collect 280 7 240 via
Lake City Ky-

Sept 28 - 1900

J. R. Seagrider

Cedar Key
Florida

- All right -

T. A. Edison

Sent through Telephone

Messrs. Ruben & Wilson.

Please favor us with
Detail-estimates, to serve in
estimates for our various plans.

Two Boilers as planned by you, to go
inside of 21 ft. front, 4 tons of
tubes, complete.

Also two of the same with booming
complete, erected in New York on
foundations furnished.

Stamps, pipes to Engines, Blow-pipe,
Belows, Pumps, Elevators, Coal
burners and Stacks to be estimated
all separately -

Sept 28/87

Copy as it is,

C. L. Clarke

R. N. POOL, Treasurer.

J. F. LEWIS, Vice President.

R. W. DUNPHY, Secretary.

THOMAS H. SUTLER, Treasurer.

GENERAL OFFICE:
No. 417 Walnut Street,
PHILADELPHIA, PA.

QUINIMONT FURNACE,
Payette County, W. Va.
REEROL,
Augusta County, Va.

PLUMER & BRAMWELL,
Sole Agents,
CINCINNATI, OHIO.

Pennsylvania and Virginia Iron and Coal Co.

General Office, No. 417 Walnut Street.

Philadelphia, Pa. Sept. 28th 1880

Friend Edison yours truly to C. H. J.

I am a believer in your light and would like to be actively identified with its introduction here. If a company already organized for this city you could doubtless suggest a way in which I might connect with it; if not, I think I could further such an organization very materially. If this field entirely covered, an assignment to some other large city would come next in desirability. If Ed Johnson is coming over here shortly you might express yourself through him, or if you prefer, I can come to Menlo Park any day.

Yours truly
T. H. Delany

I don't profess to know much about your light; but I can learn. Johnson gave me

A steamer might in a few minutes show & have burning gas and attempt to start.

T. A. EDISON,

Menlo Park, N. J.,

Sept 29th 1880.

Messrs. A. Dumble & Sons
Buffalo, N. Y.

Gentlemen;

Sept 29
Enclosed

I am making tests of
different kinds of Engines at
Menlo Park. If you No 4 will
run 600 revolutions and work
at a boiler pressure of 120
lbs please ship one to me
immediately.

Very truly
Yours,
T. A. Edison

Your catalogue does not
inform me at what boiler
pressure and cut-off you
estimate the horse power.
This we wish to know.



DEPARTMENT OF PUBLIC WORKS,

Bureau of Lamps and Gas,

Room 21, City Hall,

New York, October 1st, 1880.

Answered Oct 5, 1880
229

My Dear -

I noticed an article in one of our City Newspapers some days ago in which it was stated that you had written a description of your Electric Light system for a Monthly Magazine but I have forgotten the publication in which it appeared.

As I take some interest in your successful adaptation of the light by incandescence (which is the only system that can be of any real benefit to the public) I desire to read your article and I will be obliged if you will mention, on the enclosed Postal card, the publication in which I can find it.

Any information in regard to the public lamps of this city will be gladly furnished you.

Yours very truly,
J. M. Corbin
Supt. Lamps & Gas

Wm. A. Johnson, Esq.

T. A. EDISON,

Menlo Park, N. J., _____ 1880.

Carman

Write the man who
made the Big Glass Globes
for street lamps, to inquire
if he can make Opal
Glass Shades such as
are used on Coal Oil
Lamps. & Argand Burner
- We shall want them of
several patterns - Will furnish
samples

By Order of Edison
E. T. Johnson

Lab. Oct 5/80

OK

W. C.



Agents for WILLIAMS, PAGE & CO.,
Steamship and R. R. Lamps.

ESTABLISHED 1843.

Wm. PORTER'S SONS,

Manufacturers of

Railroad, Ship, Signal, Hand & Coal Oil Lanterns,

Street Lamps, &c.,

271 PEARL STREET,

Dist. Beekman and Fulton Sts.



Porter's Patent, No. 2 Railroad Hand Lantern.

New York,

Sept 5th 1880

C. Edison Esq.

Dear Sir:

Mr. S. Furman General
Manager of the Furman S. S. Co., of Liverpool is now in
this city and is anxious of examining the Electric
light as applied to Steamships, with a view to
using it on their new Steamer now building.

My object in writing you is to ascertain if you
will be prepared to show him the light on the 18th
or 14th of the present month at which time he
proposes to visit New York. An early reply
will greatly oblige

Yours Truly
Jas. Porter
Porter's Sons
271 Pearl St
N.Y.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPAN.

This Company TRANSMITS AND DELIVERS messages only on condition, limiting in detail which may be seen on its by the receipt of the enclosed circular.

Messages are received and sent by repeating a message back to the sending station for correction and the Company will not hold itself liable for errors or omissions in transmission or delivery of messages.

This message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the usual conditions above.

A. B. BROWN, Secy.

NORVIN GREEN, President.

3

Dated New York Oct 6th 1880

Received at Windsor Park

To Mr. Carman

READ THE NOTICE AT THE TOP.

Have Morse call in
Goddard before three o'clock
with letter of introduction
from Mrs. Edison

Have arranged for letter
of credit you must
furnish Morse with Five
hundred thirty Cops. I cannot
get it my address care of
Goddard

39 paid Griffin 140

180
152

Handwritten notes and calculations on a document page. The page is divided into two columns by a vertical line. The left column contains a subtraction problem: 12087.14 minus 11081.87 equals 1005.27 . The right column contains another subtraction problem: 12087.14 minus 11005.27 equals 1081.87 . There are various other handwritten marks, including arrows and illegible text, scattered across the page.

Left column calculation:
 12087.14
 $- 11081.87$

 1005.27

Right column calculation:
 12087.14
 $- 11005.27$

 1081.87

N. B.
You never acknowledge the
last samples sent you

Havana Oct 1880

J. A. Edmon Esq
Mexico Park

My dear Edmon

I wrote you by last mail enclosing
sq. &c which I trust you have rec'd all right -
I send you by the King's samples of Cone - sq -
the ~~Whitish~~ cones are male cones which have been abt
2 months dried in the Sun the short greenish piece was
cut on the 2nd Nov. and has been 24 hours in an oven
at 180 F. I have some more samples cut and drying
male & female, the female cone is long soft & papery
and I fear will be useless, Leopoldo Baker of Mexico
kindly has taken charge of the samples.

Write me full particulars of all you may require
here - I shall send you the list of samples of
woods by next mail, The first day John S.
Come here he presented me with a book Prescott on
The Telephone I find it has your name written in it
if you require it I shall send it on, if not, I shall
feel obliged to you for it, - In my last excursion
I found several beautiful fibres which exist in large
quantities here if they interest you I will send you one
a few: one is Priva de Patton which is as fine as silk
& very white & strong -

With regards to yourself & all friends

Remain your truly
J. P. Walker

Winds Park 10.9.80

Received from T A Edison
six dollar money advanced
by Mr Moore for expenses
on Bamboos
\$6.

Harvey S. Moore

Abendroth & Root Mfg. Co.
28 Cliff St. New York.

Gent's O.K. Ver 10.

Enclosed find the general plan
of placing Boilers in Building to
suit our other requirements, based
on proposals of Yours.

It would be advisable to place Eco-
nomizers in the flue from the Boilers
in Basement. Any suggestions or
desirable changes to advantage of
Boiler settings and their economy in
this case, which may present themselves
to You now are solicited.

Please give information with estimate
relative to Economizers and how to
apply them in this case

Yours

H. W. R.
(written by
John H. R.)

116
2nd Mill
12th March
Prof. J. A. Edison 1892

My dear Sir,
I enclose particulars of my machine for the
deposition of copper, price &c. - would you please me
with prospectus &c. - what.

I suppose your machine will
also reduce silver &c. as well.

Yours respectfully
Fred J. Stanton, M.E.

School of Mines, 275, 15 St
Denver Colorado
Oct 12 1892

E.L. Anderson / (Oct. 12 / 50)

Your recommendation of
the read - I have never
published any papers
that amount to anything
in so far as my work
has been mostly practical.
It is true that I have introduced
the word "pressure of Electricity"
instead of "Electromotive force"
for the reason that, ~~Electromotive~~
the latter is a term few
comprehend ~~the~~ ^{the} whole
meaning, ~~and because~~
and because "pressure"
is the proper term

2

In my practical work
I had thought out ^a certain
theory of Electricity which
I considered the true one -
and all my results have
been obtained by and of
this theory which is
~~that~~ simply this that
there is a current and
this current has its
velocity increased or
decreased by a greater
or lesser pressure; ~~that~~
~~and that the current~~
That if it is desired to

9
transfer ~~transfers~~ a million
foot lbs of energy from
one point to another ~~ten~~
miles apart that a current
of infinite ~~resistance~~ ^{optimum amount of} may
be used and the work
transformed by increasing
the velocity of the current. ^{work}

As an analogy I have used
the illustration of the
transmission of power by
a belt ~~to~~ to other bands
from one shaft ~~of~~ to
another. If we consider
the size of the belt to
represent the current & the
velocity of the same ~~transmits~~

pressure then it is seen that
if we use a band 1 foot
wide running at a velocity
of 1000 feet per minute
we may transfer say 10 horse
power of energy whereas if
we use a belt only 6 inches
in width and a velocity
of 2000 feet per minute
we can ^{still} transfer the 10 hp
of energy so we may continue
weakening our belt ~~etc.~~
and increasing its velocity
until it is as thin as a
single spider web & still
transfer the 10 hp.

~~the same belt~~

The power ⁴transferred depends
entirely upon the number of
square inches or units of belt
surface passing a given
point per minute, so with
Electricity, ^{with} the weakest
Current ~~is the~~ ^{is the} ~~weakest~~ ^{weakest}

Energy can be transferred over
the ~~smallest~~ smallest conductor
by increasing the velocity of the
pulse by increasing the pressure,
so that a greater number of
units shall pass a given
point in the circuit
in a given time -

I have never used the ether in
my theories always considered
that ~~the~~ transfer of Energy

6

in every form could be
Explained by vibrations of
matter as we know it
How matter; ~~no matter~~ although
of extreme lightness could
be transferred through denser
matter at the enormous
velocity at which Electricity
flows I cannot conceive
but could conceive its
transmission by vibration
unquestionably. The oxidation
of Zinc in the air produces
vibrations of light, the
oxidation in a battery
must be the same only
under different conditions
& to a different degree

7
hence this must also be
vibrations, these vibrations
must necessarily be slower
than that due to the
radiant heat of lowest
refrangibility. — ~~of~~

~~of a single cell is put~~
~~in a series of cells~~
than in a slow oxidation

and a circuit of salt

of a single cell is put

in a series of cells

the ~~force~~ make ~~of~~

light of rays of low refrangibility

now if we add a cell

to each, we do ~~not~~ increase

the current but

I think James D. Le Ross writes by means of a number
many (good) that the light in a series of cells
from a battery of a great number of cells
was discontinued — the ~~light~~ ~~from~~

8
If we take a single cell,
the rapidity of oxidation of the
Zinc in that cell cannot be
increased by increasing the size
of the plates or by the use of
better reagents etc, but if we
connect into the circuit a
second cell then the tempo-
rarity of oxidation is raised
by the action of the other cell
upon the zinc of the first
cell, then these are vibrations
set up which have higher ratios,
as would be the case if the
rapidity of the oxidation of
zinc in air was increased
by some means;

Very truly yours

T. C. C.

Department of Public Works,
Bureau of Bridge & Gas,
Room 21, City Hall,
New York, October 13/88.

D. Sir -

I will be glad to call on you, at
Madison Park, on Saturday afternoon next,
leaving by 2.45 train.

D. Mc Govern,
Sub-Comptroller.

Manufactures, Importers and Dealers in
Telegraph Machinery and Supplies,
Telephone Goods,
Medical Apparatus,
Burglar Alarms,
Automatic Fire Alarms,
House and Hotel Amusement,
Electric Lights, Electric Gas Lighting,
Electric Railway Signals,
Edison's Phonograph, and Supplies,
Magnets and Electric Bells.

and Telephone material and Supplies
Furnished.

ELECTRIC MERCHANDISING CO.,

76 MARKET STREET,

A. S. TILLOTSON, President.
GEO. E. BROWN, Vice President.
W. S. BARNHARTT, Secretary.

Chicago, Oct 14 1888



Mr. A. Edison Esq

Dear Sir:

Will you send me one
of your perfect Carbon lamps?
There is great interest here to
see it and I would be glad
it saw you so soon.

Respectfully

Geo. H. Bland

None to be
sent by mail
- have seen

copy

Asst. Secy of War
Edwards & Ross

1864

Paris Branch
7th Dec. 1864

Mr. S. A. Easton.

Dear Sir

Your favor of Aug
30th to Mr. Parry at the
American Consul at that
city, had been handed by
him to me, and I have
familiar with the Ameri-
can Affairs I have not
read of since you had
gone on it and it is
unfamiliar.

The Government of France
is favorable to the whole
American system especially
the all and it is my
duty from the Government
of France to be of

I should have to go up the river
to get them and arrange: The estimate
would be about \$1100-

Please write fully

awaiting your reply

I am Resp. lly. Yrs

Edward S. Rand

. Para

Rio Americano

Bozart

WILLIAM FORTNER'S SONS,

71 PEARL STREET,

New York, Oct. 14. 1880.

Please answer
if you will be ready
Dear Sir:

J. M. & J. Inman of Liverpool
will call at 10 o'clock
at 10 o'clock on Sunday next
and wish to leave at 11 o'clock
on his way to New York. Please have
lights to expect him so that he
will not be delayed. Wm. Fortner Sons
New York

FABBRI & CHAUNCEY,
ROBOX 1471.

58. South Street
New York, Oct. 14. 1882

Dear Mr. Griffen

Several friends of mine
are desirous of seeing Mr.
Edison & the Electric Light. -
I write to ask you if it
would be agreeable to him
if I should take them up
to Monto Park on Wednesday
evening next, 20th inst. -

Please favor me
with a reply & oblige

Yours truly
E. D. Griffin

P.S. We have a letter from

our correspondents at Rio Janeiro
saying that they would
attend to the Bamboe samples
immediately. - It seems that
the card is to be obtained
from the interior of the country.
E.D.G.

T. A. EDISON.

Menlo Park, N. J., Oct 14 1880.

Received from T. A. Edison
one hundred & fifty dollars
on acc. of bank book
p. 150.

John R. Regreder

Case
W. H. Moore
No reply
Palace Hotel.

San Francisco, Oct. 17, 1880.
Mr. T. St. Edison
Charles Park Off.

Dear Sir

Since my arrival here I have been on the lookout for Bamboo but have been unable to find any quantity of a suitable kind.

I went on board the Steamer Columbia which has just arrived in port, saw your machines with which the parties are highly pleased. ~~with~~ one of the lamps they say has run over 100 hours but just at present they are greatly in want of lamps as about half

1880-10-17

Palace Hotel.

San Francisco,

18

of those first sent are
slipped out -

The Columbia has a
Hoxim machine to run
the head light -

There is a fair show
made in this city with
Pouch machines, there
being three located at a
central station, feeding
forty lights placed at point
points within a radius
of a mile from station.

There are also eight
lights at this hotel but
they do not give the
satisfaction desired and
the managers of the hotel
with whom I have
talked are favorable to

over

(23)

Adopting Your System of
Lighting

I have been informed
that the sailing vessels
which ply between here and
Japan are taken off during
the winter months, being
employed on this coast for
carrying grain, so I ^{will} ~~am~~
doubt^{less} be obliged to send
by ^{the} steamer for a few months
I am also informed that
the Japanese are very tricky
in their dealings and would
make a cotton & whatever
they can, so I think it
will be as well when the
next stock of rambo is found
to lay in a good supply -
and not depend much
on future supply through
Agents but I will know
better how the land lays
when I get on the other side
Rambo saved in ^{the} ~~the~~ ^{the} ~~the~~
do split one or more times

1889-10-17

Dear Genl. A. G. Anderson
of the Columbia. He said
he had telegraphed to you
several times for lamps
and it is now becoming
a matter of serious
importance as so many
are examining the system
and observe the failure
of so many lamps -
I shall write you
how - will keep you
well informed of
my movements and
do my best in the
Bamboo line -

As soon as you ~~are~~
ready to put your ~~feet~~
on the market I wish
you would send me
particulars, price etc -
as I may be in
a position to place some
to advantage

Yours truly

W. B. Moore

EXECUTIVE OFFICES
ALBEMARLE FERTILIZER COMPANY

33 OGDEN STREET,

ALBERT SPREYER, Pres't.
EDWIN M. FOX, Secretary.
FRANCIS W. JACOBS, Treas'r.

New York, Oct 12, 1888

My dear Edison:

I have just made
a (to me) startling discovery.
In looking out of the window
of my office, I saw directly
opposite in a room in the
Equitable Building, plainly
visible from here, persons
making your electric light.

Even I write seated at
my desk. I can see and
there is no doubt of it, your
vacuum pump with a young
man working it and your little
lamp. He is bringing it up to a

Brilliant in candescence
and then with a spirit lamp
seal the lamp, exactly
as I have seen it done
in the laboratory. I can
see the Π shaped carbon
as plain as I can see
this paper. On making the
discovery I immediately sent
my paper keeper over to see
what kind of a place it
was. He came back &
reported that it was the
office of the U. S. Electric
light Co.

Did you know this?
If not visit it of some
importance to you. I am

EXECUTIVE OFFICES

→*ALBEMARLE FERTILIZER COMPANY,*←

12 CEDAR STREET,

ALBERT SPEYERS, Pres.
THOMAS M. FOX, Secretary
FRANCIS W. JACOBS, Treas.

New York, _____ 1888

2

sure it is a clear
infringement on your
patents. Looking out of
the window now, I can
see four little lamps
in a row gradually being
brought up to an incandescent

In one corner of the
room is a blow pipe where
a man is engaged in making
the bulbs. There are 15
or 20 people in the room
and they all are apparently
at work. For young men

in shirt sleeves, seem to
be handling carbonized fibre
just as I have seen
Bachelors do a hundred
times. The fine lamps
are now at a brilliant
in candescence. If you don't
know about this I would
advise you to look into it. The
whole establishment is directly
opposite ^{and} only the width of the
street intervening.

Why in the name of all
that's good don't you reply
to my letters. I have written
you two. Are you coming
in to Newport tomorrow Saturday?
If not can I have a long
talk with you at your home
on Sunday. Please telegraph
me sure tomorrow
that I may
Edward

Mr. Thomas A. Edison.

Phila 002320

Dear Sir,

Preparatory to an intended visit to you, I would inform you, in advance, of the purpose of the same. What I wish to discuss with you is this: Would you agree to assist me (as a partner) in bringing out a magneto-electric machine for generating electric currents to be used for electric lights, telegraphing, electroplating &c. This generator is intended to excel all other generators now known in Europe as well as here. It will be constructed, in strict accordance with scientific, mechanical and economical principles, in such a way that a steam or other motor will produce, by it, the most possible current. I have built in a safe way a small working model of this generator, and my expectations of it are fully realized. This most efficient generator, no doubt, would enable you to sell electricity to consumers for a great deal less than otherwise you would have to charge.

615

and still have more profit left for your company; the lights could also be a little larger than gas jets — all these advantages would greatly assist the introduction of your lighting system. But what other profits could be realized by the monopoly of the best generator? This generator will in Europe be just as valuable as here, and ought to be patented there; also, but that requires an outlay of money greater than my means would allow me, and so I have to look for aid. I thought you to be the right man, as I know you to be, in the highest degree, capable, enterprising and trustworthy, and I only hesitated, for a while, to make you this offer, because I feared that your just ambition as an inventor of such world's renown would not permit you to associate with another inventor (and patentee) for the purpose to accomplish your great enterprise — the adaptation of the electric light for domestic use. Should, however, the interest of your Comp. be of higher importance

(13)

to you, then, by assisting me to construct the most perfect generator, you would soon be able to give to the world the light they have so long been waiting for, and give it cheap enough, too. I am certain that a personal interview will settle things all right, and request you to let me know at what time I might call at your place, or, should it be convenient to you, if you will call at my house.

Expecting soon a favorable answer, I remain

yours respectfully
E. W. Hall ^(written name)
~~(handwritten)~~

253 South 12th St.

Philadelphia, Oct. 23, '50.

References (over 25 years):

Prof. Chas. F. Bruch, Stevens Institute, Hoboken.
R. M. Nusha, Manager of "Public Ledger", Phila.
Dr. Morarty, Publisher of "Phila. Democrat".

(13)

P. S. — Can state in your article in the "North American Review" of October, that you have adopted "dynamo" for "magneto" — that is to say: you have, for the sake of final succinctness, substituted better generators — which makes me hope that you will adopt the best of the generators, especially if you can become partly owner of them.

Then you say in the "Review" that the amount of electricity consumed in each house will be registered by a sort of meter. But that registering meter described and illustrated in Scribner's "Monthly" of February, will not be practical, and I feel quite certain that you are of the same opinion now. In my leisure time, and for amusement's sake, I have worked out the idea of such a meter that will perform its duty faithfully — without galvanic deposits of metal and without magnets — like a scale it weighs the current with great accuracy and registers the same. The principle involved would also make an excellent galvanometer for

(4)

other use, working in about the same way as a barometer, or as a steam-gauge, by pressure. If you would adopt this meter, you could have it on your own terms.

You further say in the "Review": "Men are being trained to execute all the details of the introduction and working of the electric light system." — Now, even in this respect, I might do you some service by offering, for your employ, two of my (3) sons (21 and 19 years old, one now employed as a printer, the other as assistant to a chemist), both can use their hands cleverly in almost any kind of work; the older, especially, is a good draughtsman and passionate amateur-cabinetmaker (he made for me the Patent-office model of my generator), conceives quickly and thoroughly any kind of working, knows a good deal of electricity, and can speak and write English, German and French. No doubt, you could well utilize his talents. He dislikes his trade (printer), because it does not afford him opportunities enough to exercise his mental faculties.

(5)

The brother might be useful as a clerk; he writes a clear, mercantile, pleasing hand (see his letter enclosed) and possesses other good qualities for such a position; or he may be particularly useful for introducing or pushing things through; being in no wise timid or afraid of anything, he has prepossessing manners, and, when required, can use his tongue very lively in English, as well as in German. — Both young men do not know that I write in their behalf.

S. W. H.

Mr. Thomas A. Edison.

Dear Sir,

It affords me great pleasure to inform you, that my grandfather who keeps a stationery store, is very anxious to have your light introduced in his place, and that my father would not for a moment hesitate to have his house lighted by your lamps, as we all believe they are the best for that purpose. No doubt, your electric light would, also, be of great utility to my employer in testing sugar by the polariscope. Please, therefore, to let us soon have your light.

With high esteem yours

William Wall

Phila, Oct 19. 80.

583 South 14th Street

of
Phinney 1/2 20
W. H. Hall

Nov 2 long
W. H. Hall
for
Hall

6 Oct 25

The generator is
for now and up to point
of gas we are certain
to get the most of the
best of how it will
how it will be + are
mostly engaged in making
of things for C.

Regarding water we have
one that comes up in
some manner and
gas meter

Regarding your sons I will put their
names on list I believe as was their
When get ready to enter light

NY Oct 25, 80
Prof. M. H. Stearns
a June 3, 81

Will you give me two or three
Camps of you will arrange
+ promise to supply them with
the proper electrical wire
near the cases & then as
I write to ask you if it is
possible for me to obtain from
you, according to a promise made
me during my visit at your
laboratory, one or two of your
lamps. I asked them of you
as samples for lecture purposes
in the Physical lecture room.
My object in reminding you now
is, I was in hopes of obtaining
them before the last week in
November, in which case I
desired to exhibit them at a
church fair along with other
physical wonders which I may
D

be able to gather for the
occasions. If you would
let me have one or two only
for a week or ten days, I
should be greatly obliged,
as I am very desirous of making
my collection as attractive as
well as an instructive one.

Hoping to hear favourably
from you, I remain yours,

truly

M. G. Johnson

Asst. in Physics

WILLIAM FORTEE'S SONS.

571 PEARL STREET,

New York.

1870
No 2678

Dear Sir:

Will you be kind enough to send
de lamps promised to Mr. Toussaint, at
once, as the ^{of Providence} began for Europe
letter part of the same. Also lamps
promised to ^{the same} ~~the same~~
Sincerely yours
Wm Fortee



JOSE SHARP, Pres't.
M. DAVIS, V. Pres't.

T. C. HONN, Supt. and Treas.

J. S. HERRICK, Supt.
S. SHAW, Asst. Supt.



OFFICE OF
Buckeye Engine Company,

Successors to Sharps, Davis & Bonsall,

SOLE MANUFACTURERS OF THE

BUCKEYE AUTOMATIC CUT-OFF ENGINE;

Also, Compound Slide-Valve Engines, Saw Mills, and Hall's Shingle Machines,

Salem, Cal. Co., Ohio, Oct 26 1880

Mr. J. A. Edison
Menlo Park N.J.

We see by the papers that you are going to California next week. Can you not find time to stop over a day or train at Salem? We will need the promised drawing of a "dynamo" machine to which the engine is to be attached if we are to go on and build one, but besides that there are other points on which a little consultation with you would be to our mutual advantage.

We have a plan of engine now nearly perfected which is a modification of the regular automatic so far as relates to the valves and gear, the former being both light and easy working and the latter consisting simply of rods passing direct from small eccentrics to the valves without the intervention of rocker shafts. To get eccentrics as small as possible (4 in) they are placed on auxiliary shaft

B & Co (Thompson)

Oct 27

Havana 27

Edison

John dead vomits
Telegraph instructions

Bitter

~~Bury him my expense.~~
~~with funds his possession.~~
Bury him my expense.

Habana October 27th/50
Nuncio Post-

Prof. J. A. Schöen

My dear Sir,

I am without any of your favor
or reply to my letters of the 6th, 13th & 20th but
so acknowledged of samples sent which I hope reaches
you I have some more which I shall send forward
when I hear from you - Instead of sending
me on the amt of the \$20.00 please pay it
into the Banking house of Messrs Plöck & Co of
New York who will give you a receipt this will
save you the trouble of buying exchange -

With regards to all & hoping you are well

Remain

Yours truly
P. A. Rastbach

V
Havana Oct 25th 1891

Professor Schmitt, Exento Park

My dear Sir, I beg you yesterday the death of poor John Seguido & rec^d your reply which I immediately attend to. I delayed the burial & kept the body on ice thinking perhaps that his friends might wish it embalmed. I feel the deepest regret for his loss though only a recent acquaintance I found him a very good fellow & most energetic & active in his endeavours to carry out your ideal & work & since his arrival I devoted all my time to seeing his relatives & yours & during his illness I may say I never left him & did & had everything done for him that was possible. I had the two best Physician (Yellow fever) in Havana Dr. Burgeess & Doctor Belot, also a first class nurse and a man to assist, no expense or trouble or attention was spared I even called in another Doctor Hernandez and before he arrived John was dead the doctors declare if one of the severest & most violent cases the have ever seen. and say that he was predisposed to it from having suffered from Malaria & peritonitis also from the fact that he was constantly taking human doses of Quinine (sulph), he exposed himself very much to the sun and sat very heavily both against my advice. On Saturday after completing his correspondence & receiving on board the Steamer "Newport" a mocking Bird which he you he came to dinner with me & appeared very well looking healthy, afterwards he came

21/
Wrote me to the theatre, and I left him at his door about
10.30 pm dinner time: with hot wine he drank 2 Lemons,
and a bottle of Soda water (he was very moderate in drink
talking nothing but a little sherry and Lager beer). When
he was talking long cold shivers I cautioned him, but he had
a special temper of his own self-willed & his own will did
as he thought fit. At about 3 a.m. on Sunday morning
my servant called me stating that my friend had sent
up a messenger saying he was very ill. I started immediately
saw him & immediately brought the Doctor Burgess, whose
Care and attentions had begun everything seeing him &
some time from home a day, he declared it a very severe
case of most malignant Cholera & from the beginning
gave me very little hope, but since the time the Doctor
the more Care & attention is required. I procured a first
rate English Speaking Nurse & a man to assist. I took
leave & gave up my business & everything & remained
with him all the time only getting once or two hours
of sleep each night - he then told Dr. Burgess to write
a Consultation he called in a Relat. who is the President
of the Yellow fever Hospital - after wards I called for
further Consultation, he called Dr. Howard - & before I came
Home from John was gone at about 5 o' clock on Saturday
morning, he had very tranquil and without pain of
Wine poisoning I need not repeat his sufferings but if
it had been Consultation to give & his presence if he had
presided of the States he could not have received
more attention kindnesses & medical attentions, nothing
was spared, let alone the request I had for him
& common charity I considered you also in his health

that he had had him put under a good Stetograph. You at
 I thought perhaps his friends might wish him to be buried
 in such of your reply he buried him very kindly some
 friends of mine attended and I had the spiritual services
 read by Bro Retancourt of the American Consulate -
 I had a nice service & Cast. M. M. M. M. M. I had a
 great feast with the people in whose house he died who
 forced me to take the body away immediately and
 changed me for the bed & bed clothes which they always
 destroy. Mr Retancourt of the Consulate came to take
 my inventory of his effects which I enclose you &
 will send the value by H. addressed to you -
 When he arrived here he deposited with me
 \$100 in American Gold some which he drew \$40 in
 two payments but on Saturday \$25 for a Bond -
 leaving in my hands \$35 Gold & Spanish in
 his pocket after he was taken ill \$5 Gold &
 \$15.25 in Spanish paper which some I have
 placed to his credit in the General H. I enclose
 the original receipts & documents which as well
 in Spanish paper I have reduced to Gold & show
 them to you at your earliest convenience to send
 the same & then were some samples of various kinds
 he cut such as they were forty & injected with
 spirit & a few being under his bed shall then
 be kept shall send you three duplicates as
 soon as I can turn out to cut things he had
 a few knives & acc which I have kept
 He explained perfectly to me the size & shape
 of each you require and I shall look it up
 I shall have ^{an} Cat. & send in the sun also -
 Sincerely

H/

I'm very sorry you sent out your Legation I could
have done all you require. I don't think the Lord
would think it worth his while to tell me,
you remember I was so strongly under this impression
that I offered to go up the "Hunts" for you - make
me a fair offer & I shall take any risk.

John Ralbach & Mac that I cannot forget that
to with your note I made in my note to them
of my seeing poor John "through the Mill" I little
thought when I wrote it that it would prove so
sadly true, however my conviction is perfectly at ease
and I am sure that neither his father Ralbach or
kindest friend could have treated him more
kindly - or taken more care of him, besides keeping
him from danger as much as was in my power.

I have past these five days almost without rest
& in miserable anxiety & I felt so ill yesterday that
I began to think that I was in for a dose of fever
so much so that I consulted the Doctor & took medicine
I am better today, he however made me burn my
clothes to avoid infection - so I have been physic -
& purgative & bled, There is much trouble here
at present and cases late in the season are much
more fatal than at any other time, I lost two
friends this month, John is the third -

Send me out full instructions and I shall
try & fulfill & carry out all your wish.

I believe I can get you 2 samples of 200 samples
of woods of the Island all different & better than they
are offered to the British Museum for £50,000 it is the
labour of a life of 45 years - every tree on the Island
touching the water will care be brought by cheap

5)

H

They are part of the Collection of 2 Celebrated Pottery
received the pieces are small about 3 inch long 3/4 inch
thick & 1/2 inch - polished on one side to show the grain and
it resembles botanical same &c. I think can be had from
4 to 5000 - fold.

I shall be glad to hear from you
soon and if I can serve you shall be too happy

I wish you long success in all your undertakings
Give my kindest regards to Mrs. Richardson
with Compliments & regards - I trust your family
are well also your good self

I remain your truly
Wm F. R. R.

Ms. forwarded by Capt. Coates of
Smyrna 30 - Oct 1882

List of effects of Mr. John Segreda -
who died, on the 10th of October 1880, of yellow fever.
This inventory is taken in presence of Mr.
W. H. Butler and Mr. Lawrence Betancourt of the
American Consulate of this port.

Havana 28th October 1880

- 1 one leather valise containing as follows:
5 five shirts
2 two pair socks
1 one brush
1 one comb
1 one pair suspenders
4 four handkerchiefs
2 two other pair socks
1 one Smith & Wesson revolver
1 one cloth coat
1 one box cartridges
4 four books
5 five black cravats
1 one broom brush
2 two bird collars & paper
Various sundries consisting of note paper, pocket knife,
razor, shaving brush, elastic, pencils, pen &c.

W. H. Butler
Lawrence Betancourt

THE
SOUTHWARK FOUNDRY AND MACHINE COMPANY,

SOLE MAKERS OF

The Porter-Allen High Speed Steam-Engine.

W. H. HERRICK, Pres. and Treas.
C. T. PORTER, Vice-President.
G. A. BOSTWICK, Secretary.
C. B. RICHARDS, Superintendent.

PHILADELPHIA, *Oct 28* 1880

J. A. Edison, Esq
Wm
Yours favor
77 at hand.

If the country were
not to be saved another -
wise we would finish
the bed on that day -
As it is we can finish
it on Wednesday &
ship it at once in com-
pletion - We presume it
can be put as can be so
direct via R.R.

Very truly
SOUTHWARK FOUNDRY & MACHINE CO.

Address all communications to
The Southwark Foundry and Machine Co.
401 Washington Ave., Philadelphia, Pa.

W. H. Herrick
23-24

1860 Phila Nov 30, 80
Wm Curtis Taylor
60 Nov 4, 80

Philadelphia Pa
Nov. 2, 1880
111 Chestnut St

My dear Sir:

An article from your
pen in N. Am. Review has several
kings of success, which must please
everybody whose interest is not opposed
to yours.

I do not understand
from your article that you have
yet made your ~~namum~~ chamber
invulnerable. If you will pardon

the suggestion I will say that
I think it possible to make a joint
that shall be perfectly impervious
self preservative ^{to the}
to the atmosphere, and also allow
free expansion and contraction of
the parts, and without liability to
corrosion.

If you feel inter-
ested I shall be glad to com-
municate with you further.

Respect
Wm Garty Taylor

914 Chestnut St
Philadelphia

Dear Sir
Very glad to say we have no
more difficulty with the joints on
Mann's running pumps & the
locking joint which at present is
about as large
P. E. Dixon

#6 Cambridge Mass Nov 3rd 1880

John Rowbridge
And Nov 4, 80

Harvard University
Cambridge Mass

My dear Sir

I enclose a slip wh.
met my eye recently. Dr. Hain stated
~~that~~ that you have a number of
Dynamis electric machines of comparatively
small size wh. you have rejected.
I am very desirous of getting a dynamis
machine for my laboratory & thought
that perhaps you might be willing
to sell one of your second hand
ones for a moderate price.

I want a machine
which can be run by a gas engine
of from one to three horse power &
will furnish an electric light
(Waltin arc) for projections. Size
between 4.00 to 6.00 candle power.
Unfortunately the Physical Laboratory

Article is incorrect
going to make a test with
high speed engine with

single dynamo with
slang engine & number of
dynamoes. I hope to be
able in short time to accommodate
you with a small machine.

of the college, I cannot
afford to spend a machine
In early answer will greatly
oblige me. Regretting to take up
your valuable time

Wm. D. Dixon
Mead Park.

Yours
Very truly yours
John Rowbridge
Harvard University
Cambridge Mass

EP
1887

Carlisle Eng Nov 4 80
Wm Pearce
Care of B. & O. N. 80
See Letter Book

Lambfield Nov 4. 1887
Raughton Road
Carlisle England

Sir

I should feel much obliged if you would furnish me with a few brief particulars as regards the Electric Light in its application to the lighting of towns &c.

I am thinking of erecting some house by the side of a river which I could get an excellent site for water power and as there are a few towns near some 3 or 4 miles and one large town about 20 miles I would like to know what distance it could

be made available as the land returned
would realize a good percentage for interest
on the capital expended thereon

And should ~~you~~ report of your scientific
investigation be favourable I should
issue prospectus and form a Company
I need go into details at present not
having your proper address I do not know
whether this will come into your hands

I remain

Sir

Yours respectfully

William Percod

#1
1/8
Hoboken N.J. Nov 4. 80
Henry Weston
a Nov 5. 1880

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

Nov. 4th 1880.

J. A. Edison Esq.
Dear Sir

I am now engaged in making a series of measurements with various inductances electric lamps and would be pleased to have one or more of your recent lamps to measure at the same time, in which case I should give my results in a paper on the general subject which I am preparing to read before the National Academy at their coming

meeting. From statements
I have seen in the papers
I judge that you may be
under the impression that
I have some interest, finan-
cial or other, which might
bias my judgement unfavor-
ably towards your efforts
in developing the unadorned
electric lamp; I therefore
take this occasion to assure
you that this is not the
case and that my feelings
towards you and your
labors are altogether of
the most friendly description
and that no one will be
more ready than I to
acknowledge the full

value of every thing you
accomplish as fast as each
result is reached.

Very truly yours
Henry Morton.

on long and low for you
for long and low for you
for long and low for you
is 5 or 6 days - see that
as possible. I will send you
a day however for test - low 100
over now is about 140 ohms &
requires 5000 ft. pds. running 16
Candles - I think, however, that
just you have not tried the experiment
for reasons which I cannot follow

Chas Brown & Co

Pittsburg
Mo

^{we} ~~we~~ please inform us whether
^{in kind} there would be any
difficulty speeding up our
engine to 75 revolutions for
a short time only.

J. K. R.

OK R

Nov 5-1898

106
L. O. B. C. 10
A. P. M. 10
11-5-10
Nov. 5. 18. 50

Thomas A. Edison, Esq.
Mansions, New York

Dear Sir,

I
have looked up the
Walter of the
saying that the
and the
"Maximum" about the
very thing I see you

I will bring out a
one home power Maximum
weighting about 450 lb.
in Monday next and we
will see what it will
do. I have a couple
of Jacob Koff

Candles in good
shape which I will
give him out,

Your truly
A. B. Bunker

Hoboken Nov 8. 80
Henry Morton
no ans

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

Nov. 8th 1880

J. A. Edison Esq.
Dear Sir

I am much obliged to you for your note of the 5th which I have just received on my return from Philadelphia.

I shall take great pleasure in experimenting with the lamps and have no doubt that my measurements will coincide with yours.

Although there have been many points upon which I have not been able to agree with your opinions as I have found them expressed in some of our

daily papers, it has been
my intention to express
my dissent or opposing
views in an inoffensive
manner, and I think that
you will find that I have
accompanied such state-
ments with an expression
& my high appreciation
of your personal abilities.

I feel sure that the
unfavorable impression
you have received must
be the result of some
misunderstanding, and if
you will kindly point out
specifically, in what I have
seemed to do you a wrong
I feel confident that
an explanation will clear

up the difficulty.

My only motive has been
a desire to check the extrava-
gance of certain ignorant
and irresponsible newspaper
writers and prevent some of the
damage which their exaggera-
tions seemed likely to
occasion.

Very truly yours,
Henry Morton.

27
86 Cambridge Mass Nov 28
J. H. Southbridge
W. Perry

Cambridge Nov 28 1844

My Dear Sir

I thank you very
much for your kind & prompt
answer.

You express the hope of being
able to furnish me with a Spence
machine in the future. I do not
desire to press you in the matter,
but if you could state how
soon I might expect one &
at what price you would

As stated in the will this
is 2 views of the machine
out of 3 views of machine

Comper a great favour.
Regretting to trouble one whose time
must be so valuable

Yours
Very sincerely
J. H. [Signature]

7647 Nov 9 00
T A Edison

Bambos arrived
sent them by Adams
Express
K. Yager

Milan C. Bullock Esq.
84 Market St.
Chicago Ill

Dear Sir!

You will much oblige by
favoring me with information
concerning the high speed engine
which you are using, as I am
interested, or by directing me
to the best high speed engine
in service.

Yours truly
(Nov 11 1880)
T. A. Edison
per J. Hornig.

Prof. J. A. Edmon

Albany, N.Y. 12214/Se
Munich Park

My dear Sir

I wrote you on the 6th Inst. forward
by "Niagara" samples of cane which I hope you
have received safely. (Laloe wrote you thru a
previous relation to death of John Sisson to which
as yet I have no acknowledgment). I enclose you
list of the collection of Cuban Woods some 300
different - the collector was the late Professor Salmody
who spent all his life in making this collection he
was the best Botanist here & a particular friend
of mine, they are now in second hands and if
you make a few offer (if they interest you) I think
we might procure them. Give me an idea of what
you are willing to pay & I will try & work it for you.

I send you a circulation of the Mustangs
I wish you would read in January, if you think
of sending any thing let me know in time
the space is free to all circulation -

With regards to you & the boys

Remain Yours truly

J. T. Suther

I am much oblig'd for sample of Samples but
the Japanese has other qualities that the machine
has not.

Albay	1	Doñito	37	Andaravilla Blanco	75
Alcega Amarilla	2	Brayna	38	Arizavilla	76
Alcega Numbra	3	Botija	39	Atigua	77
Ayuda Blanca	4	Baja	40	Atrecho Casavilla	78
Ayuda	5	Bravil Laurel	41	Castro de Galla	79
Arrema Blanca	6	Bibana	42	Cuba Blanca	80
Artillo	7	Bijaguara	43	Cuñilla de Costa	81
Agracijo	8	Bravilote	44	Cedre	82
Agracijo de Sabana	9	Bravil Negro	45	Copay Viejo	83
Ayuda Amarilla	10			Carmitelle	84
Agarrocho	11			Copey	85
Almendro	12	Caja	46	Cuñilla de Loma	86
Almendrilla	13	Campacho	47	Cubana	87
Alamo Sagrado	14	Carmitel	48	Cisla	88
Alfiler	15	Cabe de Saca	49	Cuajani	89
Alama	16	Cacabilla	50	Cupuasaga	90
Alcega de la Florida	17	Caray	51	Cedre nuevo	91
Alamo de Costa	18	Cacha	52	de Numbra	92
Arulija	19	Castana de Numbra	53	de Macho	93
Arulija de Sabana	20	Capatilla	54	Camagüesa	94
Arulija	21	Casuma	55	Casava	95
Arjilla	22	Casuarina	56	Cacabilla de Costa	96
Arallo	23	Caron Doncel	57	Cacha Blanca	97
Aquacate Cimarron	24	Carmito	58	Cadotancilla	98
Alamo Amarilla	25	Cachibon	59	Cocuyo de Sabana	99
Agarrocho	26	Castro	60	Cuba de Impoia	100
Acitosa	27	Cruzeta	61	Cuaba Amarilla	101
Almendro Manis	28	Cocuyo	62	de Amarilla	102
Amigui	29	Cuba	63	de	
Arde	30	Coston	64	de	
Alcega	31	Cedre Casavilla	65	de	
Arulija	32	Cruzeta carpentera	66	de	
Almendro	33	Cruzeta cimarrona	67	Dagano	103
Alcega Macho	34	Cuñilla	68	Dolla uña	104
		Cuya	69		
		Cuphamo Macho	70	E	
Baria	35	Copivilla	71	de	105
Bayuda	36	Cuaba amarilla	72	Encopo	106
				de	

Cynucle de Calabres 108	Guira Grande 143	Sia Blanca 180
Cuzima 109	Galán de día 145	Seguí de Ley 181
F	Guama de Costa 146	Surabaina 182
Fendilla 110	Granadilla nublada 147	Sucare Biste 183
Fibotonia 111	idm Amarillo 148	Sucuma 184
Fis de San Juan 112	Guasima 149	Suzquilla 185
Fueta del Perro 113	Gatete de Negro 150	J
G	Guiso Cimarrón 151	Sacuri 186
Guaba Blanca 114	Guiso Cimarrón 152	idm de Tabana 187
Guara 115	H	Sanguande vaca 188
Guaparsi 116	Huaso 153	Sapira 189
Guama Blanca 117	Hija de Munda 154	Sesere 190
Guajage 118	Huimo 155	Sire Blanca 191
Galán de Coto 119	Huapacacava 156	H
Gatete de Negro 120	Huavilla 157	Hosona 192
Guapaba de Perro 121	Huayan 158	Huizua 193
Guaparan Blanco 122	Huatillo 159	Hloron 194
Guara elastica 123	Huay de Santiago 160	Huicuyú 195
Granadilla 124	Heachote 161	Huamag 196
Granada dulce 125	J	H
Gatete de Amarillo 126	Jatín 162	Huamag Biste 197
Guapacan 127	Jacuma 163	Huaso 198
Guapacancilla 128	Jaguey 164	idm Biste 199
Guabau 129	Jaimiquo 165	Huayaga 200
Guacamari 130	Jamin de punta 166	Huancucilla 201
Guapancitas de Costa 131	Jacuma 167	Huanga 202
Guama de Costa 132	Jagua 168	Huayá Biste 203
Guamito de Chiriz 133	Jaguiri 169	Huancucilla 204
Guano Cana 134	Jagajabice 170	Huata 205
Guaca de Ley 135	Jaimiqui 171	Huayaguano 206
Guac 136	Jamin de punta 172	Huira 207
Guapabilla 137	Jaguirilla 173	Huaba 208
Guapaba Cerezo 138	Jaguirilla de Costa 174	Huacuri 209
Guamawacilla 139	Jagui 175	Huapusa 210
Gya Blanca 140	Jague 176	idm de Costa 211
Guacima Barin 141	Jucare 177	Huiguaya 212
Guacima 142	idm Amarillo 178	Huaron 213
Guama de doge 143	Loba 179	Huajquilla de Costa 214

Hampel Camisero	215	Amor de Sierra	250	Japete	280
Hampel	216	Canjine	251	Jaque Amarillo	280
Hobagues	217	Botajon Amarron	252	Japiteillo	281
Hampel de vino	218	Chico Real	253	Jacina	282
Hampel Colorado	219	Camaron verde	254	Japiteillo	282
Hera del pais	220	Chubaban	255	J.	
Herasa Cley	221	Chimpiniche	256	Janguacin	282
Hortencia	222	Chigami	257	Jaja Camiso	282
Haitanguera	223	Chucira	258	Jamarinda	283
Haranon	224	Chucari	259	Jabuya	283
Hucagua	225	Chico Cusco	260	Jangua	284
Haci	226	Chico Blanco	261	J.	
Hera	227	Chico de Pinar	262	Hera	286
Hiji Morada	228	Palma Santa	263	Horsilla	287
Hampel	229	Hico de Galia	264	J.	
idm. Verde	230	J.		Vera	288
H. Gallina	231	Guina Lacha	265	Jiputa	288
Wajquilla de Ceylan	232	J.		idm. Maranja	300
H.		Wite name	266	Wicua	301
Kasaji Oruco	233	idm. Real	267	Waria Camisera	302
Karaja Mexica	234	Kama de Costa	268	J.	
Karaja Clara	235	Roble de Oro	269	Wamugay	303
Kararua	236	Roble	270	Wamilla	304
Kopal Orilla	237	Rascabarriga	271	Waucuay	305
C.		Raspalegua	272	Wames	306
Caya	238	Romp. Nui	273	Waya	307
J.		Ritama	274	Waca	308
Peru del pais	239	Romp. Ropa	275	Wagrama hembra	309
Peru de Sea	240	Roble yupa	276	idm. Wacha	310
Peru	241	idm. Wite	277	Waba	311
idm. Blanco	242	idm. Wuga	278	Waya Chamarilla	312
Simiente	243	idm. Amarillo	279	Wama	313
Pesapi	244	idm. Guisa	280	Wagua	315
Pescarina	245	Wamor Camu	281	Wacimil	316
Palma Real	246	J.		Wamal	317
idm. Bravigena	247	Wabici	282	Wait hembra	318
Palma de mont.	248	Wabite cuben	283	Wanilla	319
Platanilla	249	Wabira	284	Waya Chamarilla	320

Havana Comercio 388

*Y. F. DUTILL
Spirituales de Cuba*

*Leop. of the World of the
Cuba of Cuba*

*Y. F. DUTILL,
C.O., MERCADERES
HABANA*

*En Profundis Habana
W. H. Comp. Habana*

UNION PACIFIC RAILWAY TELEPHONE CO.
No. 52 BROADWAY.

New York, Nov 15th 1880

Dear A. E. I enclose you a
patent for proposed meter for
Electric lifts.
I may have examination if
of some practicality may save
you trouble.

Truly
Yours
J. C. Keiff

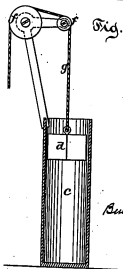
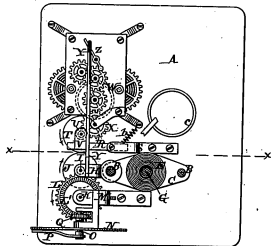
J. C. Keiff
1880

B. F. CARD.
Meter for Measuring Electricity.

No. 223,112.

Patented Dec. 30, 1879.

Fig. 1.



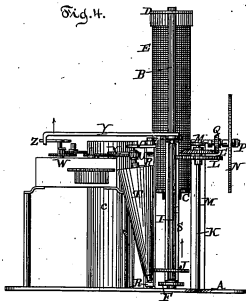
Witnesses.
Louis Watson
James C. Smith

Inventor.
Benjamin F. Card

B. F. CARD.
Meter for Measuring Electricity.

No. 223,112.

Patented Dec. 30, 1879.



Witnesses.
Lucius W. Frost
James C. Smith

Inventor.
Benjamin F. Card

UNITED STATES PATENT OFFICE.

BENJAMIN F. CARD, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN METERS FOR MEASURING ELECTRICITY.

Specification forming part of Letters Patent No. 225,112, dated December 30, 1879; application filed December 14, 1876.

To all whom it may concern:

Be it known that I, BENJAMIN F. CARD, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful improvement in Electrometers, of which the following is a specification.

The object of my invention is to measure or determine the quantity or intensity of electricity by means of the mechanism hereinafter described.

The invention is based on the fact that a bar or rod of soft untempered iron placed within a helix through which a current of electricity is passed will be drawn within said helix by means of induction; and it consists of a helix and bar so arranged that, by means of induction, said bar will be drawn upward while the current is passing, and this motion of the bar, by means of mechanism hereinafter explained, causes the revolution of an index-arm over a measured scale, the speed of which is varied by the position in which a friction-wheel is brought in contact with a friction-cone, as will be more fully explained.

The construction and operation are as follows:

In the accompanying drawings, in which the characters of reference indicate like parts, Figure 1 represents a plan or top view, partially in section. Fig. 1^a shows the arrangement of the balance-weight. Fig. 2 is a front view, partially in section. Fig. 3 is a cross-section in the line X X, Fig. 1, showing the bearings of the cone. Fig. 4 is a side elevation of same.

Rigidly secured to the base-plate A are two metallic standards B. Used in connection with these standards B are the two bridges C and D. The bridge C is made so as to slip over the standards, and to be placed at any required distance from the top of the standard, forming a shelf or rest for the helix E, and is adjusted and held in position by screws G.

In the center of bridge C is a hole, around which is soldered a hollow tube of some circumference as the core of the helix E, so that when the helix E is ready to be put in position it is slipped on over the tube. This tube holds the bottom of the helix E in position. To the under side of bridge D is secured a

ring of sufficient size to admit the upper part of the helix, so that when bridge D is placed in position on standards B the helix will be held firmly in position. In the top of bridge D is a hole that allows one end of the wire of helix E to pass through. (See Fig. 2.) Sliding on the standards B is a metallic plate, F, on the upper surface of which rests the iron bar G, which is made of soft untempered iron, and does not become permanently magnetized, the upper end of which is brought into and slides within the helix E. On the lower end of bar G is formed a collar, which is loosely fitted into a piece of insulating material, which is rigidly secured to the metallic plate F. Also secured to the metallic plate F is the knee-piece H, which holds the vertical grooved shaft I, to which is secured the friction-wheel J.

Journalled in the base-plate A is the vertical shaft K, on the upper end of which are rigidly secured the gear-wheels L and L'. The upper end of vertical shaft K is journalled in the knee-piece M, attached to the base-plate A.

The dial-plate N is rigidly secured to the knee-piece M. Passing through this dial-plate is the shaft O, at one end of which is attached the hand P. On the other end is the gear-wheel Q, which is actuated by the gear-wheel I'. The shaft O is journalled to the knee-piece M. (See Figs. 1, 2, and 4.)

Placed in yoke E, which is supported by the knee-piece S, secured to base-plate A, is a friction-cone T, set in such a position that one of its sides will be parallel to the grooved shaft I, and so that the friction-wheel J shall have an equal bearing in whatever position it may come in contact with friction-cone T. This friction-wheel J, being carried by the plate F, partakes of the motion of said plate F, and hence the friction-wheel J is brought in contact with a different portion of the friction-cone T accordingly as the intensity of the electric current varies.

The shaft of the lower end of the friction-cone T has its bearing in the yoke E, and the upper end of the shaft of said friction-cone T has a gear-wheel, U, the end of the shaft having its bearing in a metallic piece, V, attached to the yoke E. (See Figs. 3 and 4.)

Secured to the base-plate A are four standards, upon which is mounted and properly so-

cured the train of wheels W, and so arranged that the gear-wheel X shall engage and actuate the gear-wheel U of the friction-cone T.

Secured to the knee-piece H is the rod Y, having its outer end crooked or bent downward sufficient to come in contact with the revolving arm Z, and performing the functions of a stop. (See Figs. 1 and 4.) The spring h, one portion of which is attached to the yoke B and the other end to one of the standards that support the train of wheels, serves to hold the friction-cone in place and equalize its bearing.

Secured to the base-plate A is a tube, O, of sufficient size and depth to form a receptacle for the balance-weight d.

Secured to the upper side of receptacle O is an upright rod, having an arm holding two phylags, f, over which a cord, g, is passed, one end of which is secured to metallic plate F, the other end to weights d. (See Fig. 1*.)

The operation of my electrometer is as follows: When a current of electricity is passed through the helix B the iron bar G is instantly magnetized, so that it is drawn up into the helix B, as shown by the arrow in Fig. 2. This action, in connection with the weight d, causes the metallic plate F, with the attachments, to be raised up, at the same time releasing the rod Y from contact with the revolving arm Z, which revolves the train of wheels W, thus actuating the gear-wheel U of the friction-cone T, which is brought closely in contact with the friction-wheel J on grooved shaft I, imparting a steady and positive motion to the gear-wheels L and L', and which in turn imparts motion to the gear-wheel Q, causing the hand P to revolve, giving a positive indication on the dial-plate N of the amount or intensity of the electric current passing.

In the example shown the train of wheels are operated by the actions of things; but I do not wish to be understood as limiting myself to the use of a train of wheels like W. I may use any other motor, such as weights or like devices, or electro-motive power.

What I claim, and desire to secure by Letters Patent, is—

1. The method of measuring the quantity of electric current by causing the same to pass through a helix, and thereby operating a movable bar of iron, said bar of iron being connected to any suitable mechanism moving an index or measuring-arm at each moment with a velocity to correspond with the intensity of the current, said mechanism being actuated or put in motion by the movement of said bar, substantially as described, and for the purpose set forth.

2. In an electrometer, the combination of the helix B, the movable bar G, metallic piece F and its attachments, and cone T, gear-wheel J, and grooved shaft I with gear-wheels L and L', actuating, by means of the movement of the rod Y, train of wheels or other mechanism for obtaining a regular motion or revolution of the cone T, and, by means of the friction-wheel J on the grooved shaft I, transmitting said motion to a suitable index mechanism, substantially as described, and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of December, A. D. 1878.

BENJAMIN F. CARD.

In presence of—
LOUIS W. FROST,
A. J. KENNEY.

Message
This message is an **URGENT** TELETYPE message and is delivered by request of the sender, under
the special message service.

A. R. BREWSTER, Secy. M D NORVIN GREEN, President.

Dated New York 11/16 1880

Received at M P

To J. A. Edison

Menlo Park

READ THE NOTICE AT THE TOP.

what is size of
Main lines and also
of branch wires for the
Electric light answer
quick

ATMCK Merdby

17 DTT $\frac{m}{2}$ 315 pm

am per your in adv
now send in in
the morning

105R

Office of
The American Fire Alarm Co.

Geo. W. Howe, Pres. Chas. S. Folger, Secy. Charles H. Bond, Supt.

267 Washington Street,

Boston, Mass., Nov 16 1880

Friend Edison

I enclose herewith a rough sketch of a plan for electric lamp.

You may have already tried the same thing or may know it to be worthless without trying.

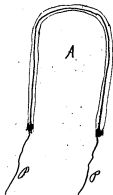
However I will venture to send it and would like to have you test it unless you done so before.

I sent you a similar sketch last Friday by Mackenzie.

The next day he requested the privilege to test it himself but fearing he may not do it effectively I write you direct in regard to it.

Very truly
Yours
C. H. Bond

Boston Nov 16 - 1880



It is a glass tube having
a very small bore -
The black line represents
the tube filled with fine
Carbon or Carbon film
P.P. are platinum wires
Entering at each end to
meet the Carbon and
are welded in the glass,

This would obviate the difficulty of the
horse-shoe carbons breaking and would
probably be cheaper -

The idea of using a solid glass
Yoke upon which a deposit of
Carbon was made first occurred to
me - The resistor could be nicely
guaged - But Gen. Will Gordon
these suggestions for I have no
experience whatever in these matters.
It would however afford me genuine
pleasure to aid you - Truly
Yours
CNS

75
Hoboken Nov 17 80
Henry Morton
A Nov 1880

Stevens Institute of Technology,

HOBOKEN, NEW JERSEY.

Nov. 17th 1880

J. A. Edison Esq.

Dear Sir,

I notice in today's Sun an account of the paper which I read yesterday before the National Academy and as this report is incorrect in almost every particular and as I believe you do not agree with me in assuming newspaper reports to be almost invariably unreliable. S. P. Barton

assure you that this one
in particular is utterly
unworthy of consideration
and will be at once
corrected by me.

Sincerely yours,
Berney Norton.

1

Nov 18. 80

Metuchen
Yokohama

Ship only samples.

S. Merlo Park Nov 18 80

L. B. P.
9. C. 2.

Edison Nov 18-80
to Moore
Yokohama

file

St. Paul - Nov 20th 1870

Thomas A. Edison } Present Park.

My dear Edison - I only received your letter of the 4th and yesterday - & beg to refer you to my respects of the 6th & 13th insts. also to length of time shipped for "Magera" while I hope you had rec^d safely. We can supply you with all the cane you require from here as it exists in large quantities in the Grand Bay District. paying a bribe to the owners of the land we could cut all we require. The price would be only a question of labor & carriage to a port of shipment. I calculate it would require 2 months to dig it perfectly for shipment (from experiments I have made), but I think if the quality suits you we might always have a stock here ready & when you write or wire us we might ship in quantities each as you require - having a steamer or two lying by & carry out your intentions exactly for you. How is the big lot of wheat of the Matanzas Exhibition? Don't forget one of these is my thing to be done here I have always none my best to serve you.

I hope your family are well - regards to the boys. I believe me yours truly
W. A. Butler

Your remittance has not arriv^d yet. 1870



Chas. R. Landon Esq.

Dear Sir,

Your favor of the 9th inst enclosing check for Ten Dollars was duly received. a great piece of business incidental to opening a new salesroom has prevented my answering your account. In despair of any chance of obtaining your light for my store, I have introduced the Jablochkoff light with four lamps and so far find it, as you told me, the very best of the arc lights to be obtained. it produces no beautiful

an effect as I have ever seen in my
experience, and I would be pleased
to exhibit your arrangements to you
if you will favour me with a call.

It requires about one horse power
per lamp. and I am prepared to make
contracts for its introduction in any
part of the United States on terms
which are lower than any other electric
light of the same character.

Should your system be ready
for public use during the coming winter
I should like to have an opportunity
of securing its introduction into this
city with kind regards to
Mr. Upton, Mr. Griffin, Mr. Leaman &
Mr. Math. I remain

Very Respectfully

H. S. Bradley

Dracal, Morgan & Co.

P.O. Box 3036.

New York Nov. 23rd 1880

What is the matter,
friend Edison? Are
your scientific friends
deserting you following
such paltry "Maxims"?
Is it not unworthy
of them, or is there god
Cause?

Yr. friend
C. P. Peck

Ev'g Post
106
NOV. 22

THE NEW ELECTRIC LIGHT.
An Important Experiment.

A reporter of the Evening Post, four yesterday evening, Professor Edward D. Davenport, Philadelphia, concerning his opinion of the value of the new Maxim light from an independent author. Professor Davenport writes: "There is no doubt in my mind as to the value of Mr. Maxim's remarkable discovery, as to the value of Professor Norton and Draper's search for the true solution of the electric light problem, and I am sorry to be disappointed in the results of the latter's search, and the exhaustive nature of his search. I do not do so say that Maxim's better electric light is than Edison, but he has invented a lamp which will give a better light than Edison's. Last week Professor Davenport got several of Maxim's lamps and invited Professor Norton and me to go to his (Davenport's) laboratory to test them. Edison had also been asked to test a few lamps, but Edison's objection was that he would not be present. He wrote, however, in answer to a question put by Professor Draper, that the light from his lamp would get out of his usual improved lamps was a very small light. As a result of our experiments which we have made with Edison's lamp we know that his lamp, run at that intensity, will not last for more than an hour.

We took those lamps of Maxim's and began our experiments. An electrician for gas burners of full power they were perfect. We then began increasing the intensity, until we ran out lamp for twenty-four hours in intensity equal to that of six standard and fifty candles of the light given out by fifty gas burners. The lamp was as good apparently "with two hundred candles as when we began. This, in my opinion, was the most remarkable performance of an incandescent lamp I have ever made. Edison has a good generator, but his lamp was old twenty years ago. The carbon atmosphere of Maxim's lamp is

Private

UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA Nov. 26, 1880.

My dear Edison:-
Your letter of the 23d
is at hand this morning.
The extract it contained is
only another example of the
worthlessness of newspaper
reports. Just as in the Herald
last week where you are
made to criticize Majin, for
leaving up his lamp with
leaving wax!!

Really, however, I wish
very much you would go
and see Majin's lamp. I
was entirely sceptical in-
till I saw them, and then
I was very much surprised.

I tell you in all frankness, that in my opinion, the method he has for making his carbon loops, consolidated them and gives them a wonderful resisting power and durability. He has run them up to 60 candles for an entire month and they are still good. In Morton's laboratory we measured them at 80 candles on the photometer, and at Draper's we got 100 candles from each one of eight lamps for six or eight hours consecutively. One of Mapin's large incandescent lamps ran to 650 candles, photometric measurement, as we saw in Hoboken. Mr. Mapin told me that he had obtained 3000 candles from

one of his large lamps.

Now, I have never seen such results as these in your laboratory; nor have I ever seen any one who has seen them there. One of your newest lamps which Morton had at Hoboken, and which he lighted up for comparison, would not, ^{give it up} I am sure, Professor Young agreed with me that your lamps were not intended to be run above 16 to 20 candles; and that you had not been able to maintain ^{as far as entering us know} at 50 candles for 24 hours. I am fully aware that in all this, I am not fully posted for I have not been in Hoboken since the last of July. But you remember that I have asked for some of your lamps and have been refused. Now as to the Evening Post.

On Friday, the 19th, after the adjournment of the Academy, a reporter for the Post, asked me what I thought of Mr. Maslin's lamp. I replied that I was of the opinion that Mr. M's improvement in carbon was a great step in advance. That my friendship for Mr. Edison led me to regret that he had not been the one to hit upon the new method. That Prof. Draper, Norton, and myself had tested the lamp to our satisfaction and had obtained candles by measurement of these carbon loops. I think this is the substance of what I told him. He took no notes but wrote it out from memory evidently, and a poor memory, at that. Mr. Norton had the lamp & invited Dr. Draper to his laboratory to see them. I don't not our word about any letter from you to Draper, for there was none. I don't about efforts to test the durability of your lamp for we made none, & I don't about the tests of the Maslin lamp which are all wrong. I don't not about your lamp being sold twenty years ago. Now will that do for you? I think everything you can possibly do.

to in that article is erroneous. And yet there is just enough of truth in it to make it plausible. If you desire I will write to the Post and give my exact opinion as I have now given it to you.

As to priority, Mr. Maslin's patent shows that he filed his application for an incandescent carbon filament in a hydrocarbon vapor as early as Oct. 4, 1878. And indeed, from Mr. Swan's lecture in the last Chemical News (which we read here on Tuesday last) it would seem that an incandescent filament of carbon in a vacuum was used by him 20 years ago.

The Secretary of the U. S. Electric Lighting Company who is an old Yale friend, asked me if my business relations with you were such as to prevent me from making a series of tests upon the Maslin lamp, such as I made upon yours. I replied that there were no

business relations between you and myself; that our relations were those of personal friendship. That I made the tests upon your lamps without bias, solely to ascertain the facts. And that I supposed you could have no possible objection ~~any~~ doing the same with their lamps. When these tests are completed, I shall be in a condition to speak more intelligently upon their efficiency and economy. If you care to furnish me some of your best lamps they will have an impartial test with the others. Please do not misunderstand me. My own self-respect requires that I should, even with a friend like yourself, if I am in error, I hope you will set me right. But if I am not, it is not the part of friendship to conceal from you the facts and lead you to believe better of your lamps than the facts warrant. But never will I knowingly do you an injustice. ~~Correctly yours~~ ~~W. B. Barham~~

United States Internal Revenue,

STAMP DIVISION, OFFICE OF STAMP AND TAXES
100 N. 107 MULBERRY STREET

Can't Care

non ^{New York} ^{N.Y. 27} ¹⁸⁸⁰ ^{appear to be}

W. Edison Soapstone

Sir

I enclose a sample of fibrous mineral which has been reduced from its natural state by attrition - In one stage of the process of manufacture it is in fibrous form - It is of the nature of asbestos and combustible - If any piece of coarse sand is given although I have no doubt a material similar has before this been called to your attention and you know by the time experienced in specimens, especially in the mineral here - The article in the NY Times this morning has called my attention to your efforts in obtaining a Carbon - and as I am manufacturing the article for paper makers in large quantities I thought it would do you better to call your attention to it -

Respectfully
A. L. M. Case

~~It is a want of knowledge~~
It is a want of knowledge
on the part of Maxim that
makes his ~~hydrocarbon~~ carbon form

Brooklyn N.Y. Nov. 30th 1880
The decomposition of a hydrocarbon
C. A. Edison Esq.

Dear Sir,

To prevent disintegration, could not
the loops of your Electric Lamp be
supplied by capillary attraction with just
the requisite quantity of some Hydro
Carbon from a small font attached to
the Lamp without interfering with
Maxim's claims - I am quite an ex-
perimenter, but on the subject of
electric lights - I am very ignorant
and offer the suggestion without know-
ing whether it is practicable or not

Respectfully Yours
A. B. Hitchins

Salmon Falls N.H. Nov. 29 80
A Secorona
and Nov. 20, 80
La Letter Book

Salmon Falls, N.H. Nov. 29,
1880.

Mr. Edison,
Dear Sir, -

If I understand
the matter, the great trouble is in
keeping the electric ^{light} ~~light~~ constantly
going, is that the carbon points
constantly burn away & grow shorter,
and that certain feeders are attached
to them to keep them the right dis-
tance apart. And even you have
not yet succeeded in overcoming this
difficulty perfectly. Now I think (at
any rate, here) that I have a material
that will overcome this difficulty.
If you will please to give me the
dimensions that you want the size
of points in every direction, I will

send some to you to test and experiment upon. There are no electric lights in this vicinity or I would test my points myself. Perhaps you will think that you do not consider my proposition of sufficient importance to notice it, but I ^{much} very wish you will do so, as perhaps it may prove to be just what is wanted.

I think the best way will be for you to send me a pattern of points made of wood or plaster of Paris, and I will copy it perfectly in the substance I wish you to try.

I have tested it by subjecting it to the most intense heat I am able to with the blow-pipe, and find that I cannot affect it in the least. In fact, the greater the heat I can apply, the harder it becomes.

It may not be a perfect con-

ductor of electricity, but I think it will.

Only please allow me the opportunity to test it and if it should answer the purpose, both of us will, yourself in particular, get a vast benefit from it, of course. At any rate, please answer in some way, and greatly oblige,

Yours most truly and respectfully,

A. S. Connerance - M.D.

W. B. P. Houlton
a. Deek
Thanks =

I want a single
fibre at least $1/16$
inch diameter

Washington D.C.

Nov 29th 1880

Prof. H. Edison

Sir:

Noticing an
article in the Times on your
Electric Light it occurs to me
that possibly the idea of
Kondens might give you
the fibre you require, it
is a very fine quality of
Silk from - and from in
great profusion there.

I have also seen
in that country a tree
which yields foods containing
a soft elastic fibre like

bill - and is used by the
name of the bill as I
have ~~the~~ ^{the} ~~bill~~ ^{bill} ~~its~~ ^{its} name,
but ~~some~~ ^{some} ~~of~~ ^{of} ~~the~~ ^{the} ~~bill~~ ^{bill} ~~could~~ ^{could}
be obtained with some
little trouble -

Very Respectfully

Thos. C. Lombard
#932 F Street St
Washington -
D.C.

Ms A 90.111

31 Seneca St, Brooklyn
Nov. 30, 1880

Prof. A. Edison,
Mendota Park, N. J.

Dear Sir:-

My visit to the botanical museum of Cornell University was a very fortunate one. I not only had an opportunity to examine the collections of endogenous plants made in Brazil by Profs. Haill and Pringle, but Prof. Pringle, the professor of Botany, gave me a great deal of valuable information in regard to localities and about collecting. He also allowed me to take with me a book belonging to him on the Palms of the Amazon, which is now extremely rare. I know of but two copies in this country, and this is one of them.

The best fiber comes principally from the upper Rio Negro, above Manaus, in the valley of the Amazon. It is taken directly from the trunks of the trees as they stand. I hope however to be able to direct the pickers

MS
MS
MS

so that they will get just what you want, if it grows on that particular palm. I send you herewith two small specimens of the assaix palm.

This is the only specimen I could get at Goa. The fiber is the best looking they have. It is too brittle now, but I believe this is due largely, if not entirely, to the fact that the room in the museum in which the specimens are kept ~~is~~ is so unusually dry. The specimens of bael kept in the same room were also very brittle. This assai is a common palm about Paia, but it is very highly esteemed for its fruit, and it would be more expensive than almost any other kind of palm for that reason.

I enclose a kind of a form for a letter to the Minister of agriculture and to the Presidents of the northern provinces.

In case you should not choose to use this form, don't forget to give them plenty of tippy. The circular letter should be

a straightforward one, pretty much as you would write for Americans or Englishmen, for it will be useful principally with Englishmen, and Frenchmen.

I have my list of plants about completed. Another day will do the work, I think. It has been a very fortunate thing that I have had this month for getting together the results of the work of other men in that country on the subject of plants and endogens. It will save me a great deal of time and labor after I arrive there.

I shall be obliged to go to Ulica Ny. tomorrow on private business, but I will return the same night, and shall call at Meule Park on Thursday the 2nd of Dec, for the letters and my final orders.

The letter of credit ^{for £ 35⁰} was duly received.

Yours,

John L. Poirson

(7201.1850)

Charles Rice Paper Machinery
Chicago Ill. Supply

Dear Sir!

You would much oblige by giving me early information about high speed engines, reported to be in satisfactory service in Chicago. Mr. T. A. Edison desires to get the very best high speed engine and directs me to get complete information; so I hope you will aid me with your extensive engineering experience in the Western developments.

Yours Very truly,

Julius S. Hornig
Edison's Laboratory
Menlo Park N.J.

(1880)

To His Excellency, the Minister of Agriculture,
Rio de Janeiro, Brazil.

Your Excellency:

Permit me to recommend to your distinguished consideration the bearer, my friend and collaborer, Mr. John C. Brammer, already known in your country in connection with the Imperial Geological Survey.

In my endeavors to perfect the electric light and bring it into practical every day use, I have been able to secure Mr. Brammer's services ~~as a~~ ~~contracted~~ for the purpose of exploring Brazil for certain vegetable fibers.

In the present state of the development of this invention, the fiber for which Mr. Brammer returns to Brazil, is the one thing ^{most needed} ~~needed~~. ~~It is~~ ~~your~~ ~~most~~ ~~valuable~~ ~~and~~ ~~highly~~ ~~expensive~~ ~~and~~ ~~cost~~ ~~for~~ ~~time~~, I therefore feel ~~need~~ ~~to~~ ~~tell~~ ~~you~~, that on the success of his ~~previous~~ ~~explorations~~ the success of the electric light.

The world is already indebted to Brazil for a large number of almost invaluable productions

Mr. Brinley, you are in search of another
Asac for the inestimable value of and benefit
of such a discovery to the whole civilized world,
for Brazil it will be also a new industry and
therefore a new source of wealth and prosperity.

Aware of the encouragement always held out
by your country to science, to discovery, and to invention,
I commend Mr. Brinley to you in the full and
assurance that you will do all in your power
to aid him to make his mission a thorough
success.

Reiterating to you excellency my high regard
with esteem for yourself, for your wise Emperor
and for your country,

I am, Sir,
Your obedient servant,
Thomas A. Edison
Newark, New Jersey, United States of America,

Dec. 4 - 1880

Letters wanted to

To His Excellency, the President of the Province of Pará	✓
" " " of the Amazonas	✓
" " " of Maranhão	✓
" " " Ceará	✓
" " Rio Grande do Norte	✓
" " Paraíba do Norte	✓
" " Pernambuco	✓
" " Alagoas	✓
" " Sergipe	✓
" " Bahia	✓
" " Espírito Santo	✓
" " Rio Grande do Sul	✓
" " São Paulo	✓

To His Excellency, the Minister of Agriculture, Rio de Janeiro
 One circular letter (to be shown to all foreign
 merchants in Brazil)

Letter from the Brazilian Minister at Washington to ~~the~~
 any of the above, with preference for the Minister of
Agriculture, and the President of the Province of Pará.

Wm Peterson
Phosphoric
acid

Should not work - Carbonic acid
Paterson New Jersey
Carbonic acid to Carbonic oxide
The Extra atom consisting of 80
Hon Wm G. Edison
The Carbonic
Dear Sir:

It has occurred
to me that the glass globes
which contain your Electric
lights might be made tight
(like an inverted bell) and
filled with Carbonic acid
gas - Thus avoiding the
necessity of creating and
maintaining a vacuum.
Has this process of preventing
the combustion of the carbon
been tried, or patented to

to your knowledge.

Please excuse my
addressing you in the
matter but my excuse
is, that I feel a great
interest in your lights

Yours Most Respy
Frank Hoxey

W. E. A. Sumner M.D.

of Ansonia, Conn.
of Ansonia, Conn.

Salmon Falls, N. H., Dec. 2, 1894.

Prof. Thomas A. Edison,

Menlo Park, N. J. -

Dear Sir, -

Please reply
to my communication of a few days since
at your first possible opportunity as
I intend going to Florida to spend the
winter, on account of my bad state
of health. I think I shall sail
from New York. If so and you
think it worth while, I will
visit you at Menlo Park.

I have strong hopes that the
material I propose will perfectly
answer the purpose desired - It
is artificially made and composed
in great part of carbon, although the
carbon is protected, so as not to wear

away, I think, by electricity, or
by the most intense heat, that
can be applied to it.

I wish I had a handy and
convenient opportunity to test it
myself, but I have not, as there
are no electric lights in this vicini-
ty. However, if you deem it not
worth your time to test it, if you
will drop a postal to that effect, you
will do me a great favor.

Most respectfully yours,
A. Severance

W.E. Dodge, Jr., Pres^t

G.P. Cowles, Vice Pres^t & Treas.

A.A. Cowles, Secy.

Ansonia Brass & Copper Co.

Stenographic Letter

No. 19 Cliff Street

P.O. Box 2372

New York, Dec. 22 1885

Kramer

file here B. G.

Hon. A. Edison Esq.
Menlo Park, N.J.

Dear Sir,

I wish to get some
Electrical tests made for
the conductivity of copper tubes.
Will you kindly favor me
with the address of some
competent person to whom
I can apply for these

oblige

Very truly yours,

A. A. Cowles Esq.

Remitted but not returned

Per J. B. ...

My Dear Sir
B. Woodruff
a Dear

Carbon with stands the
highest temperature no
other known element in
nature is as refractory as
you have discovered a
New York 344 Broome St
Dec 3rd 1889
new element than of
will talk big

Mr. Edison

Dear Sir,

For some time past
the writer has given
some considerable attent-
ions and study in order
to form some idea
as to what might be
the perfection of the
electric light.

During the limited
investigations that I
have been able to
make I have formed the
conclusion that Carbon
or any carbonized

substance is not the perfection of the electric light— Furthermore I believe that I have formed ideas from which can be developed a substance which will prove to be the perfection of the electric light— and it is my desire to place my ideas in the hands of some person or persons who have the facilities to prove ^{or} disprove their value. ~~of my ideas.~~

By receiving any encouraging word (I am not after advance money) from you saying that you will share

with me in any advantages that may be derived from what I may suggest. I will take your word of honor for that and will immediately submit my ideas to you and will abide by your decision as to their value.

As for as I have been able to learn from observation and from reading my ideas are entirely original.

Very Truly Yours

Byron C. Woodruff

140 Broadway
 N.Y. City
 Dec. 6 "1880

Mr. Carman
 Dear Sir, I mailed a copy
 of Mr. Brammer's power of attorney to me
 last Saturday to Mr. Edison.
 I saw Mr. Brammer off this morning.
 He desired me to tell you to send
 letters to him as Paris.
 Truly yours
 Geo. K. Phelps

10
 18
 1880
 Dec 6
 1880

(Dec. 6 1880) New York

~~Mr. Carman~~ Mr. Carman
 Dear Sir -
 I have just

received a letter from Mr.
 Brammer in which he says
 "Tell Mr. Carman to be sure
 to send me cipher for cabling
 when he sends letters."

Please to send check for
 Mr. Brammer's salary by my
 order & send word by separate
 note as soon as you send it
 I wish you a happy New Year

Very Truly yours
 Geo. K. Phelps

See Letter Book Page 746

P. O. Box 1271.

Fabrizi & Channing

18 South Street

New York Dec 6 1880

Prof. Edison

Menlo Park N. J.

Dear Sir,

We have this day sent
to your address per express
(2) two bundles of Japanese
bundles, of which please take
note

Yours truly
Fabrizi & Channing
F. Channing

Dec 6, 80

7³⁰am.

Edison

Menlo Park

Samples Belgio Peking

Chicago

Moore
to Edison

Hicago
Dec 80

Your ideas are based upon
insufficient Experiments.

New York 344 BroomeSt

Dec 7th 1880.

Mr Edison.

Yours of
yesterday's date in which
you say that Carbon
withstands the highest
temperature of any
~~known~~ element of
nature and that if
I have discovered a
~~new~~ element you are
prepared to talk business
was received this AM.

I am not a chemist
and cannot say that I
have discovered any new
Element in nature.

I have simply
formed an idea upon

which I would like to have you pass judgment on. Carbon as obtained and used heretofore is in form the fruit of imperfect combustion.

From this fact I have drawn the following conclusions.


Take any vegetable fibrous ^{or other} substance which shall be found best adapted to the purpose and subject it to perfect combustion. Take the ashes and remove or cleanse from everything which is not the absolute fruit of perfect combustion.

Prepare a highly polished steel mould of great strength. Into

this place the ashes highest possible pressure which must be perfectly steady in one direction. The pressure used should be in my opinion at least ten times as great per square inch as the force used to generate the electric current used for the light.

Electricity is the transmission of force. Carbon is Nature's electrical deposit void of atmospheric conditions. Ashes - the fruit of the combined elements. Therefore use Ashes as an ~~the~~ intermediary to

to NY sec 7-50
B.C. Woodruff
Albany, N.Y.

to the Carbon loop
This is  at Carbon
B. Intermediary

Respectfully Yours
B.C. Woodruff

Baltimore Dec. 7/80

My dear Edison,
I saw a number
of papers & saw more
of your statement
about Marconi's law, &
to know it is only
your with a slight
modification in the
wording of making it
that I am sure
surprised to see Marconi
being favored anything
much might affect
him a considerable

escape the consequences
of his opinion that your
light would not prove
successful. For he probably
saw reason to alter his
opinion now, and thus
brings forward a rival
You alone will show
the world what you
have done and dispose
of all these petty languages
on. For you have got
the true scientific solution
of the problem and all
the results you have
obtained for the most
efficient machine &c.
are confirmed by the
theory of the subject.

With regard to my machine, I
knew a well dated copy of 1888 in
which my machine is described.

This is quite a rare a statement and
I had not graduate until two years
ago. As I was so young, I could
get very little money & every
bit - my cigar and as I had the
machine and with a pencil some
bits of

Done by A. R. ...

Plock e C
\$ 387 58
Signed or Paid
Dec 8 1880

OFFICE OF PLOCK & CO.,
51 William Street,

P. O. Box No. 1294.

New York, Dec. 8th 1880.

J. A. Colman Esq.,
Manila Park, of
London,

We with draw from your
favor of 6th inst. check for
\$ 326.58.

which we apply to the credit
of Mr. V. F. Butler, Havana,
under a advise we remain, returning
Mr. Butler's letter.

Yours respectfully
P. V. Plock

Send.

of the movement
if it would benefit
you. The movement
is evidently one prejudicial
to the wisser heights
What do you think?

Truly yours
Edw. Fox

If I were to put them in after
the completion of the building,

Sofas, I have seen the Gas
trick lights, that have been intro-
duced by others are objectional
to my judgment unless they
may be very greatly improved
they will not enter generally
into Domestic use.

If I understand rightly your
light is the only one produced
in a vacuum, & if so, yours
cannot be judged by the failure
of others.

It occurs to me that if your
design introducing your lights
in chimneys, some arrangement
could be made with the
City Water Works for the
use of their ponderous
engines. -

My object in writing, is to

engine, is it worth while for
me to make any prepara-
tions for the introduction of
your light now. - If it can
be done as well six months
hence when the building will
be completed. I won't bother
with it now.

Very truly
Yours
Simon B. Williams

My building is on a prominent
Corner, lot 88 by 109 & build by
is 83 by 87 - two apartments
of 9 & 10 Rooms each on a floor.
This will give about 100 windows
from which the light may be
seen if used, there being batteries
of 12 Apartments.

Cable

Copy in cable box
2011-1980

Metuchen

Yokohama

Garment choice electric,

\$ 14
Paid

<p> <i>Califf</i> <i>more</i> <i>Lee</i> 11 1870 $\begin{array}{r} 1450 \\ 86084 \\ 38655 \\ \hline 91189 \end{array}$ </p>	<p> $\begin{array}{r} 2955 \\ \times 29 \\ \hline \end{array}$ </p>
<p> $\begin{array}{r} 67954 \\ 40182 \\ \hline 12819 \end{array}$ </p>	<p> $\begin{array}{r} 12818 \\ \hline 168894 \\ 91016 \end{array}$ </p>
<p> $\begin{array}{r} 133007 \\ \hline \end{array}$ </p>	<p> $\begin{array}{r} 40785 \\ 92225 \\ \hline \end{array}$ </p>

The Southwark Foundry and Machine Company,

Sole Makers of

The Porter-Allen High Speed Steam-Engine.

W. H. MERRICK, President,
C. T. PORTER, Vice-President,
G. A. HOSWICK, Secretary,
C. B. RICHARDS, Superintendent.

PHILADELPHIA,

Dec 1st

1880

J. A. Edson
Syr

Your favor 13th at

stand. We have decided not to take
any more orders on gear and
as to time of delivery until we
are very much better prepared
to push work through in lots.
If you are in no particular hurry
for the engine you refer to we
ought be willing to build it, if
not we must count ourselves out
until some future time.

SOUTHWARK FOUNDRY & MACHINE CO.

W. H. Merrick

Pres't.

[Handwritten initials and scribbles]

Salmon Falls, N.H., Dec. 20, 1880
D. A. Seaman
a. J. J. 4, 81

Dear work /

Salmon Falls, N.H., Dec. 20,
1880.

Prof. Edison,

Dear Sir, -

I in the same mail with this I sent you a few points of the substance I suggested for you to try in place of pure Carbon points, which I very much desire for you to test -

I would have sent them sooner had I not been quite sick -

They have but little carbon in them as I have had difficulty in obtaining the substance in a fine powder which is necessary, I presume, to incorporate & have them so well - Carbon pieces are very hard as you

well known, ~~is~~ too hard to be reduced to a powder in a mortar, therefore I have ground it up by attrition as I had to.

However, I have prepared some by hand process and incorporated it in the points I send you -

It is all mixed in a soft state and hardens very rapidly. If I know what size would suit you best, I would make them of that size while soft, but not knowing I have made them of different sizes, in hopes some of them would suit you in that respect.

I hope you will see fit to try them, and if they do not work well, let me know what size you would prefer it as it is difficult to reduce the size when they get so hard so they will by the time you

receive them) and I will make some more of the exact size you wish for and also incorporate a larger quantity (proportion) of carbon in them, which very likely will be what is needed. I presume that they can be made of some nine-tenths carbon if necessary, and very likely it will be. All is, please test these if you will and let me know the results, and make any suggestions which occur to you, and I will act upon them. It certainly seems to me that this substance can be made to answer the required purpose if these do not. In fact that I am able to produce seems to affect these points at all, but electricity may be in more than I can tell. I do wish that I had facilities for

LADD, TOBACCO COMPANY.

21 North Main Street.

SAINT LOUIS, Dec 20th 1879

We have Electric motors
built they run from current
of Edison's derived from a
Shubert Park of Niagara
V. Coyne

Dear Sir,

I write you several months
since (Feb, 15th) asking if you could get up
an electric motor of 2 or 3 horse power,
and rec'd reply that you had a great
work blocked out and could not
give the matter attention and suppose that
you are now as intently occupied as
ever, but wish to know if you are giving
us an hour or two some time this
winter in which I can lay the matter
before you when I believe you will take
kindly to it. What I want is a portable, good
motor electric motor about 2 horse power, the
only running but but little of your interest, with
this one revolution, one of the leading indu-
stries of this western country. If you will take
this case in your own hands, you will come
to the conclusion that it is a
fact & c. 1879.

(36.)

American District Telegraph Co.

EXECUTIVE OFFICES,

E. W. ANDREWS,
President.

52 South 5th Ave.,
Cor. Brooker St.
WM. F. CHESTER, General Supt.

C. DENSMORE WYMAN,
Sec'y & Treas.

DISTRICT OFFICES:

1st, 69 Broad St.	20th, 215 Broadway.	28th, 209 West 28th St.	44th, 100 Ninth Ave.
2d, 91 Wall St.	21st, 201 West St.	29th, 227 Broadway St.	45th, 107 1/2 Ninth Ave.
3d, 29 Broad St.	22nd, 222 East 22d St.	30th, 77 West 30th St.	46th, 222 Tenth Ave.
4th, 7 Fulton St.	23rd, 75 Broadway.	31st, 241 Third Ave.	47th, 222 1/2 Tenth Ave.
5th, 222 Broadway.	24th, 71 South Ave.	32nd, 249 Sixth Ave.	48th, 222 1/2 11th St.
6th, 67 Broadway.	25th, 60 Broadway.	33rd, 219 Sixth Ave.	Stock Exchange Grand Central Depot.

New York, Dec 22 1880

Thos. A. Edison Esq

Dear Sir

I have been informed that your Electric Incandescent Lighting Co is about to commence business in N.Y.

If you can make use of my services in connection with said Co I shall feel grateful for anything you may do in my behalf.

Yours Resp
James C. Browne

Care Am. Dist. Tel. Co
239 Broadway
N.Y.

FABRI & CHAUNCEY,
PO BOX 471.

Thank them for their
attention to these
articles, & to
New York, Dec. 23, 1882

Prof. J. R. Edson,
Menlo Park,
N. J.

Dear Sir:-
Referring to
the sample of bamboo
from Japan recently
forwarded to you, we
now enclose a memorandum
of particulars as to their
cost in large quantities,
&c. We trust you will
find these details of
interest.

Our friends at
Sima write us that
they do not think a

quantity of bamboo which
would answer your pur-
poses could be procured
advantageously
in Peru or Bolivia).
They say:- "The cost of
transportation from
the interior of Bolivia
would be very heavy;
while, with us, the ar-
ticle used is not pro-
duced in the country,
but is imported from
Guayaquil. We have
written to our agent at
that port to send you
samples of the various
kinds grown in Ecuador.
The article grows in im-
mense quantities on the
banks of the Guayaquil

"river."

As soon as the
samples reach us from
Ecuador, they shall be
forwarded to you.

~~The remain~~

Dear Sir,

Yours very truly

Fabrizio Claver

Answers see letter book
page 744

M. C.

The Intro

M. C.

Fabrizio Claver

Dec 22 1880

Answer

Fibre

PHYSICAL LABORATORY,
State Agricultural College.

J. H. MACCOMBER,
Professor of Physics.

Ames, Iowa, Dec. 20 1880.

1880-11-21
W. C. Edison

Dear Sir,

Your last summer has encouraged me the prospect of being able to purchase from you one or more of your "Cotlow" lamps.

If so arranged that you can oblige me by sending one or more I hope you will do so.

If you have them for sale I would purchase six of them. I am to deliver a lecture on various Electric Lighting and wish very much to have one for exhibition. Hoping this will not be deemed a worthless order I pass your valuable time

Sincerely

Very sincerely

Yours

J. H. Macomber

I will be a fan of
Send you a fan of
papers

Dec 28, 80
12 20

N.Y.
T.A. Edison

With pleasure but cant go today
when will it do?

Conroy

NY Herald

any evening let me know
day ahead-

Edison

MEMORANDUM.

New York, Dec 28, 1880

To T.A. Edison

Wm Lee Church

Geo. A. Barnard

FROM
THE BUCKEYE ENGINE COMPANY.

EXPERTS IN STEAM ENGINEERING,
EASTERN AGENCY.

Exclusively for the Sale of the Buckeye Automatic Cut-off Engines, East of
the Meridian of Washington, D. C.

Room 48, Coal and Iron Exchange,

COR. COURTLANDT AND CHURCH STS.

Wm. Lee Church,
Geo. A. Barnard, Managers.

NEW YORK.

We have just mailed
the contract for engine mounted by
our firm, in our hands. Will the balance
paid or shall we mail it to you?

Very truly
Wm Lee Church
Geo A Barnard

Ms
E26 My Dec 28 80
F. J. Jampal
a receipt
July 6 - 81

120 E 26 St
N.Y. Dec 28 80

Sir: Iuff find out when
we light up again &
told him to come

Will you kindly
send a letter a
invitation to your
next Exhibition wh
is to be given
in a few days

for a correspondent
of one of the leading
Paris papers?

Receive in My
distinguished Correspondence

J. Sampson

120 E 26th St

P.S. Also a ticket of admission
that would be good any
day next week
to T. A. Edison Esq

all expenses

Washington, D.C. Dec 11, 1881

Mr. Eliot

Windsor Park

Have no del
with glass
of it. It is
expensive

Dear Sir

I see by the New York Herald
that you still have some difficulties about
making your glass lamps. If the difficulty lies
with the making of the glass and you will write
me what it is I think I can probably suggest
I claim to be an expert in glass matters and
thoroughly posted about its manufacture. I have
written a report on glass circles and lamps which
I think will cover my assertion. If you
experience difficulty in making your lamps
I think that perhaps I may suggest
many other ways which may remove the difficulty.
But being I am certain however it will not
be ready glass and that you will find
numbers to the difficulties of manufacture, may
they are in general things that the French
call "outremer" and have known for centuries

outside of what they have been taught in
their trade

I am under the impression that I wrote
to you once before on this subject but
have not received any answer. It is better
I may meet with the same fate but it
will make no difference because it is
not I who is laboring under difficulties
but yourself.

Respectfully
A. Palmer

Wash DC 30 1856
Dear Sir
A. Palmer

Exensury Department,

SECOND COMPTROLLER'S OFFICE,

WASHINGTON, D. C., 15th October, 1880.

I shall have ready for delivery in about two months my report on "Glass at the Paris Exposition of 1878," which will appear under the authority of the United States Exposition Commission.

This report will contain about 150 pages of printed matter, and will give valuable information on the following subjects:

Plate and window glass, their machinery, tools, ovens, and furnaces; stained, enamelled, decorated, engraved, and etched white, colored, and flashed sheet-glass; rough, polished, and silvered plate-glass; fluted and patent rolled glass; bottles and druggists' wares; tableware, blown, pressed, cut by hand and machinery, engraved, etched, decorated in enamel and vitrifiable colors; flint, lime, slag, green and colored glass, their machinery, furnaces, ovens, and tools; iridescent, Arabian, Venetian, and metallized glass; glass furniture, chandeliers, candleabra, jewelry, mosaics, and tiles; toughened or hardened and compressed glass; spun glass, fancy articles, and mineral wool; soluble glass and its application; glass clock and flower shades; a general description of gas, open fire, petroleum, and other furnaces, lamps, ovens, etc.

Classification and properties of glass; crystallization, devitrification, action of air, oxygen, light, water, acids, and alkalies upon glass; materials employed, and where found; pot and fire-brick making; mechanical tools; comparisons between foreign and American glass making, etc., etc.

Should you wish to obtain copies of said report, I will send them to you, as soon as published, free of postage, on receipt of

\$1.25 per copy, in paper covers;
" " " bound in cloth.

Respectfully,

CHARLES COLNÉ

Downer NY

No 2

Please ascertain from operator at
Quinta Rassa Florida if large
fishing pole cane grows near
him. J A Edison

This Company's TRANSMISSION and DELIVERY messages only on condition, limiting, which have been accepted by the sender of the foregoing message. In the routing station for communication to the recipient, the sender is responsible for the accuracy of the message. The Company will not hold itself liable for errors of delay in transmission or delivery of messages. THE MESSAGE IN NO MANNER MAKES GUARANTEE and is delivered by request of the sender, under the conditions stated above.

A. R. HULLYARD, Secy.

2)

NOVIN GREEN, President.

Dated

188

Received at

J A Edison

READ THE NOTICE AT THE TOP.

opr at Quinta Rassa says
no poles there but plenty
of fish there any quantity
of poles at Orlton Fla
or savannah Ga

A J Downer
NY.
ti
x

N^o New York
no note

U.S. Cable office
16 Broad Street
New York

My dear Sir,

I intend doing myself
the pleasure of visiting
Muelo Park on Tuesday
evening next to see your
lamps. ^{My wife & I} Mr. Bachelor
kindly promised to show
me some of them burning
in rooms of a house.

May I ask whether it
will be convenient for him
to see me on Tuesday Evening?

Mr & Mrs Ward and me
or two friends will
accompany me.

I am, dear Sir,
Yours very truly
Alex Muirhead

F.A. Edison Esq

I stayed all
right come tomorrow
G

6 New York 10

Edison

Am coming to see
you tomorrow morning

Morse

7th ^{Ho} 420pm
Xe

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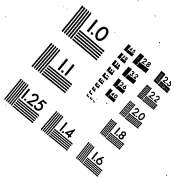
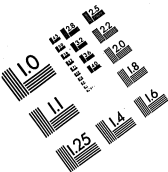
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1987

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Association for
Information and Image
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MS303-1980



Centimeter



Inches

